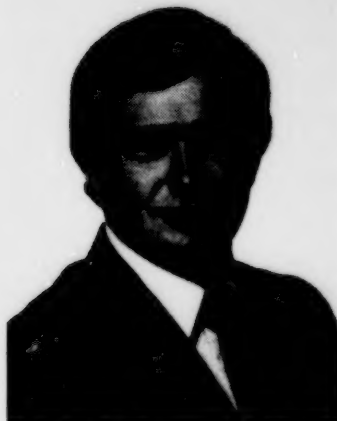


ANNUAL REPORT
OF THE
DEPARTMENT
OF
TRANSPORTATION
& PUBLIC WORKS
FOR THE PROVINCE OF
Prince Edward Island

FOR THE PERIOD ENDED MARCH 31st



1987



ROBERT MORRISSEY
Minister of Transportation and Public Works

TO HIS HONOUR

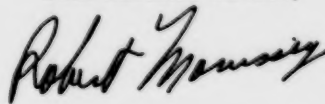
THE HONOURABLE LLOYD G. MacPHAIL
Lieutenant Governor of Prince Edward Island

May it Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and Legislature of Prince Edward Island, the Annual Report of the Department of Transportation and Public Works for the fiscal year ended 31 March 1987.

I have the honour to be, Sir

Your obedient servant,

A handwritten signature in dark ink, appearing to read "Robert Morrissey", written in a cursive style.

Robert Morrissey
Minister

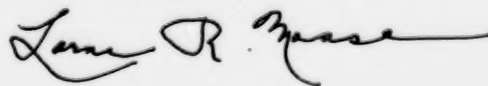
**The Honourable Robert M. Morrissey
Minister of Transportation & Public Works
Province of Prince Edward Island**

Sir:

I am pleased to submit to you the Annual Report of the Department of Transportation & Public Works for the fiscal year ended March 31, 1987.

Besides the activities of the respective Divisions which are recounted in the following pages of the Report, I would like to note the retirement from the Department during the year of seven employees and to thank all of them for their years of service.

Respectively submitted,

A handwritten signature in dark ink, appearing to read "Lorne R. Moase", with a long horizontal flourish extending to the right.

**Lorne R. Moase
Deputy Minister**

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HIGHWAY SAFETY DIVISION

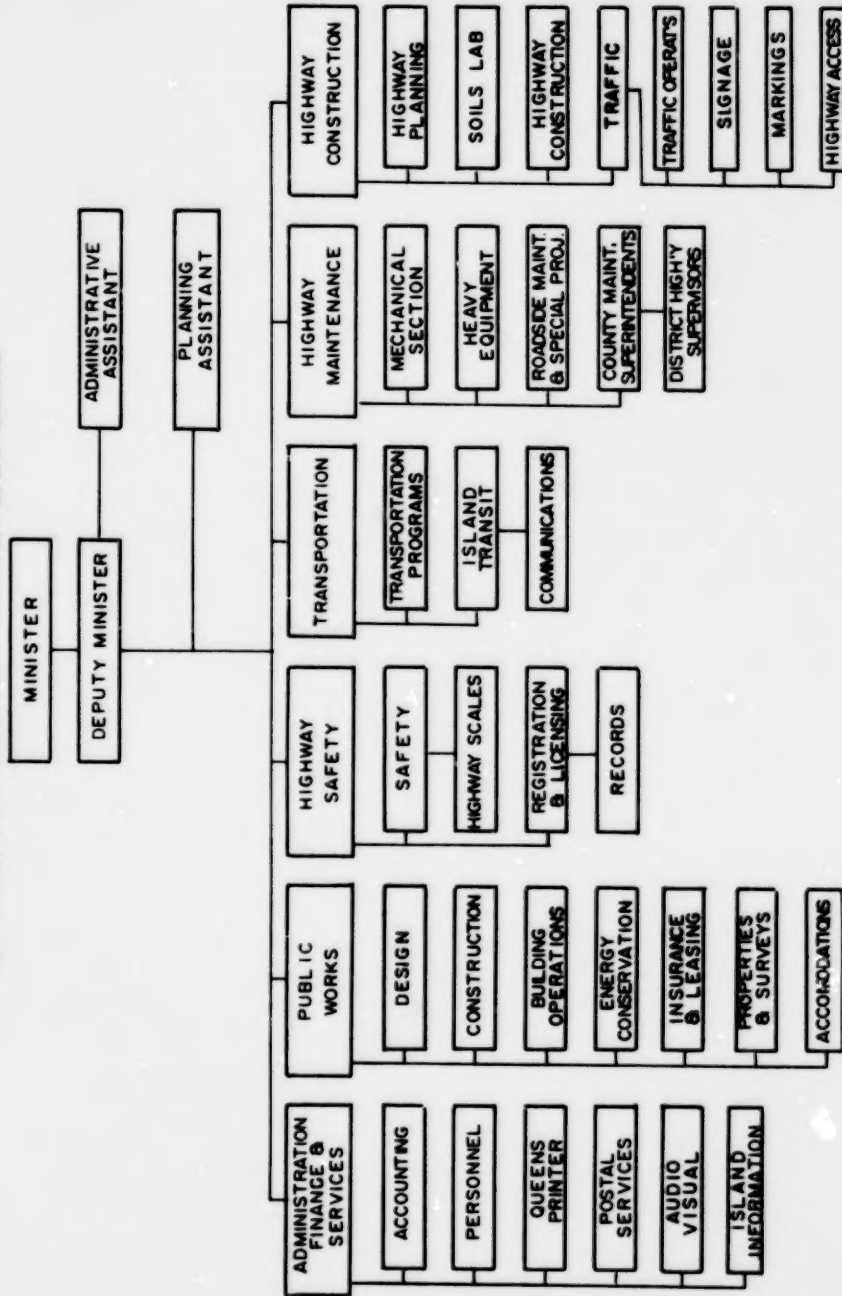
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DEPARTMENTAL LEGISLATION

- 1. Access to Public Buildings Act**
- 2. Architects Act**
- 3. Crown Building Corporation Act**
- 4. Dangerous Goods (Transportation) Act**
- 5. Engineering Profession Act**
- 6. Expropriation Act**
- 7. Georgetown Common Land Act**
- 8. Highway Traffic Act**
- 9. Land Survey Act**
- 10. Land Surveyors Act**
- 11. Motor Carrier Act**
- 12. Off-Highway Vehicle Act**
- 13. Public Works Act**
- 14. Queen's Printer Act**
- 15. Roads Act**

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS



PERSONNEL

Minister of Transportation & Public Works	Hon. Robert Morrissey
Deputy Minister of Transportation & Public Works	Lorne R. Moase
Highway Construction Division	Thomas W. Walker
Highway Planning	Mike Bailey
Soils Lab	Lee Bell
Construction	Arthur Garrett
Traffic, Signage & Marking	Allan Bartlett
Highway Maintenance Division	George Trainor
Heavy Equipment & Snow Removal	Cyrus MacEachern
Roadside Maintenance & Special Projects	James Molyneaux
Prince County Superintendent	Wayne Peters
District Highway Supervisors - Prince 1	Brenton Phillips
- Prince 2	George Frizzell
- Prince 3	Keith Sudsbury
- Prince 4	Alastair MacLeod
- Prince 5	Alden Ryder
Queens County Superintendent	Rodney Walsh
District Highway Supervisors - Queens 1	Donald Dickieson
- Queens 2	Clayton Coles
- Queens 3	Bennett MacIsaac
- Queens 4	Richard Rooney
- Queens 5&6	Leonard McCabe
Kings County Superintendent	Leonard Williams
District Highway Supervisors - Kings 1	George Saville
- Kings 2	Robert Rowell
- Kings 3	Bernard Koke
- Kings 4	Irving MacKay
- Kings 5	George MacPherson
Mechanical - Charlottetown	Herbert MacDougall
Mechanical - Summerside	Eric Campbell
Administration & Finance	P.J. Murphy
Accounting	Robert Clow
Personnel	Verna Buchanan
Management Information	Richard Brown
Queens Printer	William Auld
Postal Services	Leo Gallant
Audio Visual	Brian Willoughby
Island Information Services	Frank Arsenault

Public Works Division

Design
Construction
Building Operations
Insurance & Leasing
Accommodations
Properties & Surveys

Highway Safety Division

Safety
Registration, Licensing & Records

Transportation Division

Transportation, Communications &
Island Transit

Joseph Caswell
Foster Miller
Richard MacKinnon
Eric Arsenault
Keith Mollison
Milan Radanovich
Paul Knox

Glen Beaton
Foch McNally
Joseph Gallant

Kenneth MacKenzie

John Kane

HIGHWAY CONSTRUCTION DIVISION

CHIEF ENGINEER'S REPORT 1986-1987

Highway Strengthening Program

This was the last construction season for work cost shared with Canada and/or Phase II of the Highway Strengthening Program. There were seven tenders called in the 1986 Construction Season for upgrading on arterial roads. At the completion of this phase of the Agreement, 57 kilometres of major provincial roads were upgraded at a cost of \$17,000,000 shared equally between the Province and the Federal Government.

Subsidiary Agreement on Transportation

The year 1986 was the third of the five year program for cost shared work under this Agreement. There were seven tenders called for upgrading on sections of the arterial network at various locations on the Province, with 13.6 kilometres of new work begun, as well as completing Stage II of other projects.

Provincial Recap Projects

This program is totally funded by the Province. There were twenty-nine tenders called for the strengthening of 41 kilometres of rural highway in all areas of the Province. Since the beginning of this program in 1984, there has been 176 kilometres of secondary provincial roads strengthened to all-weather standards.

Provincial Paving Program

There were 2.1 kilometres of pavement placed on previously unpaved roads in this Construction Season. In addition to this work, 21.4 kilometres were graded and 20.6 kilometres were gravelled.

Charlottetown Perimeter Road

The new intersection at the St. Peters Road and Riverside Drive was under construction this season, with the installation of additional lanes for turning movements, concrete curbed medians and traffic signals. Asphalt surface costs and landscaping remain to be completed.

Bridge Construction and Maintenance

Work continued at West River Causeway with the calling of four tenders for various aspects of construction.

Tenders for Wilmot Bridge were called early in the year. Construction continued throughout the summer and fall with the opening of the Bridge to traffic early in December. Asphalt seal will be placed next summer on the bridge deck. Work under this contract also included upgrading at the Blueshank Road, Rte. 1A Intersection, and improved access to the Lady Slipper V.I.C.

In addition to the above, there was considerable activity in the repair and replacement of numerous small bridges throughout the Province. This work is described in the Bridge Engineer's Report following.

Other Sections

Reports from the Soils and Materials Branch, Highway Planning Section and Traffic Engineering Section are included as part of this report.

HIGHWAY STRENGTHENING REPORT 1986-1987

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed
2nd Prince							
Portage-West Devon	_____	_____	_____	_____	4.44	_____	_____
Subtotals					4.44		
4th Prince							
North Bedeque-							
Central Bedeque	_____	_____	_____	_____	3.42	_____	_____
Subtotals					3.42		
1st Queens							
Clyde Rd-Hunter R.	_____	_____	_____	_____	3.00	_____	_____
Subtotals					3.00		
2nd Queens							
Greenvale-							
Hunter R.	_____	3.00	_____	3.00	3.00	3.00	_____
Subtotals		3.00		3.00	3.00	3.00	
3rd Queens							
Mt. Stewart-							
St. Andrews	_____	_____	_____	_____	3.80	_____	_____
Subtotals					3.80		
5th Kings							
Dingwells Mills-							
Armadaale	_____	_____	_____	_____	3.36	_____	_____
Subtotals					3.36		
TOTALS		3.00		3.00	21.02	3.00	

ECONOMIC AND REGIONAL DEVELOPMENT AGREEMENT REPORT 1986-1987

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed
3rd Prince							
Richmond-Days Corner			2.50	5.80	5.80	5.80	
Miscouche- Kinsmen Road	1.76		1.76	1.76		1.76	1.76
Subtotals	1.76		4.26	7.56	5.80	7.56	1.76
4th Prince							
Wilmot River Bridge	1.10	1.10		1.10		1.10	1.10
Albany-Borden North Bedeque- Schurman Point Rd.			1.83	1.83	5.68	1.83	1.83
Subtotals	1.10	1.10	1.83	2.93	5.68	2.93	2.93
3rd Queens							
Sherwood Road- Winsloe						2.52	
Subtotals						2.52	
4th Queens							
Vernon River- Summerville		3.10		3.10		3.10	3.10
Vernon River- Millview				2.30	4.91		
Subtotals		3.10		5.40	4.91	3.10	3.10
5th Queens							
Peter Pan- Sherwood Road					0.76		
Subtotals					0.76		
6th Queens							
Peter Pan- Sherwood Road					0.76		
Subtotals					0.76		
TOTALS	2.86	3.90	6.09	14.79	20.43	13.59	7.79

PRINCE COUNTY PROVINCIAL RECAP REPORT 1986-1987

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed
1st. District							
Greenmount Road	2.40	2.40	2.40	2.80	3.20	3.20	
Smallman Road	0.79	0.79	0.79	1.27		1.27	1.27
Miminegash Road				4.12		4.12	4.12
Palmer Road		2.25	2.25	2.25		2.25	2.25
Gaspe Road	0.34	0.34		0.56	0.56	0.56	
Water St., O'Leary	0.24	0.24		0.24	0.24	0.24	
Subtotals	3.77	6.02	5.44	11.24	4.00	11.64	7.64
2nd District							
Northam Road				2.60		2.60	2.60
Cape Wolfe Shore				0.52		0.52	0.52
West Point Shore				1.15		1.15	1.15
O'Leary Road				1.30		1.30	1.30
Subtotals				5.57		5.57	5.57
3rd District							
Fifteen Point Road				2.00		2.00	2.00
Subtotals				2.00		2.00	2.00
4th District							
Clermont Road	0.90	0.90	0.90	0.90		0.90	0.90
Albany Road	0.24	0.24		1.20		1.20	1.20
Subtotals	1.14	1.14	0.90	2.10		2.10	2.10
PRINCE COUNTY TOTALS	4.91	7.16	6.34	20.91	4.00	21.31	17.31

QUEENS COUNTY PROVINCIAL RECAP REPORT 1986-1987

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed
1st District							
Rattenbury Road				1.25		1.25	1.25
Subtotals				1.25		1.25	1.25
2nd District							
Wiltshire (Widen)				1.40		1.40	1.40
Malpeque Road					0.50	0.50	
T.C.H. New Haven					1.50	1.50	
Sleepy Hollow Rd	0.70	0.70	0.70	0.70		0.70	0.70
Subtotals	0.70	0.70	0.70	2.10	2.00	4.10	2.10
3rd District							
Brackley Pt. (Widen)				3.00		3.00	3.00
Sleepy Hollow Rd.	0.80	0.80	0.80	0.80		0.80	0.80
Subtotals	0.80	0.80	0.80	3.80		3.80	3.80
4th District							
Pownal Road				3.10		3.10	3.10
W. Earncliffe Rd.				1.60		1.60	1.60
Subtotals				4.70		4.70	4.70
5th District							
Wedgewood Avenue	0.36	0.36	0.36	0.36	0.36	0.36	
Yorkshire Drive	0.24	0.24	0.24	0.24	0.24	0.24	
Valdane Drive	0.24	0.24	0.24	0.24	0.24	0.24	
Subtotals	0.84	0.84	0.84	0.84	0.84	0.84	
QUEENS COUNTY TOTALS	2.34	2.34	2.34	12.69	2.84	14.69	11.85

KINGS COUNTY PROVINCIAL RECAP REPORT 1986-1987

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed
1st District							
East Point Road					1.74		
East Point Road	1.00	1.00	1.00	1.00		1.00	1.00
East Point (Widen)				0.52		0.52	0.52
Munns Road				1.50		1.50	1.50
St. Charles Road				2.00		2.00	2.00
Subtotals	1.00	1.00	1.00	5.02	1.74	5.02	5.02
2nd District							
Forest Hill Road					2.54		
Subtotals					2.54		
KINGS COUNTY TOTALS	1.00	1.00	1.00	5.02	4.28	5.02	5.02
GRAND TOTALS	8.25	10.50	9.68	38.62	11.12	41.02	34.18

PRINCE COUNTY PROVINCIAL PAVING REPORT 1986-1987

	Grade	Gravel	Base	Seal	New Pave	New Recon	To be Sealed
1st District							
DeBlois Road*		0.30	0.30	0.30	0.30		
Norway Road	0.80	0.80	0.80	0.80	0.80		
Dunbar Road				0.46			
Cheese Factory Rd	0.75	0.75	0.75	0.75	0.75		
Thompson Road				0.30			
Thompson Road	1.50	1.50					
Mill Road	2.12	2.12					
Broderick Road	1.10	1.10					
Subtotals	6.27	6.57	1.85	2.61	1.85		
2nd District							
Tory Road	1.60	1.60					
Subtotals	1.60	1.60					
3rd District							
Base Line Road	0.24	0.24	0.24	0.24	0.24		
Cannontown Road	0.20	0.20	0.20	0.20	0.20		
Higgins Road	0.50	0.50	0.80	0.80	0.80		
Ives Point Road	0.16	0.16	0.16	0.16	0.16		
St. Nicholas Rd	1.47						
Cannontown Road	2.00						
Subtotals	4.57	1.10	1.40	1.40	1.40		
4th District							
McEwen Road S.S. and Widening			0.50	0.50		0.50	
Old Princetown Rd		0.20	0.20		0.20		0.20
MacEwen Rd North	0.10	0.10	0.10		0.10		0.10
Kensington- Broadway South				0.22			
Subtotals	0.10	0.30	0.80	0.72	0.30	0.50	0.30
PRINCE COUNTY							
TOTALS	12.54	9.57	4.05	4.73	3.55	0.50	0.30

* Single Lane Pavement

QUEENS COUNTY PROVINCIAL PAVING REPORT 1986-1987

	Grade	Gravel	Base	Seal	New Pave	New Recon	To be Sealed	Fine Grade Gravel
1st District								
Riverdale Road		0.65						
Trout River Rd.								2.10
Subtotals		0.65						2.10
2nd District								
Clarkin Road	0.30	0.30						
Bagnall Road	1.27							
Cape Road	0.34							
Subtotals	1.91	0.30						
3rd District								
Hopeton Road S.S.			0.42	0.42		0.42		
Avondale Road	0.86	0.86						
Horne Cross Rd		0.36	0.36	0.36	0.36			
Aptos Drive				0.10				
Ross Crescent				0.06				
Subtotals	0.86	1.22	0.78	0.94	0.36	0.42		
4th District								
Gillis Road	1.30	1.30						
Iris Road				1.60				
Brooklyn Road		1.50						
TCH Lower Newtown				0.20				
Subtotals	1.30	2.80		1.80				
5th District								
Templar Avenue			0.03		0.03		0.03	
MacArthur Drive			0.02		0.02		0.02	
Riverside Drive							0.80	
Ch'town By-Pass (Brackley-Oak)			1.00		1.00		1.00	
Norwood Inters.	1.06	1.34	1.34		0.37	0.97	1.34	
MacAleer Drive			0.10	0.14	0.10			
Airport Access Inters.				0.46				
Brackley Pt Rd				0.14				
Sherwood Road								
Subtotals	1.06	1.34	2.49	0.74	1.52	0.97	3.19	
6th District								
Burns Avenue	0.25	0.25	0.25			0.25	0.25	
Subtotals	0.25	0.25	0.25			0.25	0.25	
QUEENS COUNTY TOTALS	5.38	6.56	3.52	3.48	1.88	1.64	3.44	2.10

KINGS COUNTY PROVINCIAL PAVING REPORT 1986-1987

	Grade	Gravel	Base	Seal	New Pave	New Recon	To be Sealed	Fine Grade Gravel
1st District								
St. Catherines Rd	1.20	1.20						
St. Catherines Rd				0.44				
Greenvale Road			0.10	0.50	0.10			
Sheehan Road			0.10	0.10	0.10			
Kitson Road				0.30				
Subtotals	1.20	1.20	0.20	1.34	0.20			
2nd District								
Webster Road		0.50						
Morell S.S.								
Subtotals		0.50						
3rd District								
Hazelgreen Road		0.55	0.55	0.55	0.55			
Collins Rd (Seeding)								
Subtotals		0.55	0.55	0.55	0.55			
4th District								
Westaway Road	0.70	0.70						
Gurnsey Cove Rd	1.10	0.30						
Subtotals	1.80	1.00						
5th District								
Morrisons Beach Rd		0.82	0.82	0.82	0.82			
Norton Road	0.24	0.24						
Whitty Road	0.20	0.20						
Subtotals	0.44	1.26	0.82	0.82	0.82			
KINGS COUNTY TOTALS	3.44	4.51	1.57	2.71	1.57			
GRAND TOTALS	21.36	20.64	9.14	10.92	7.00	2.14	3.74	2.10

SUBDIVISION ENGINEER'S REPORT 1986-1987

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Pave	To be Sealed
4th Prince							
LeFurgey's S-D	0.32	0.32		0.32	0.32	0.32	
Meadow Heights S-D	0.18	0.18		0.18	0.18	0.18	
Bluebell Farms S-D	0.31	0.31		0.31		0.31	0.31
Vance Harris S-D	0.25	0.25		0.25	0.25	0.25	
Henderson's S-D	0.41						0.41
Subtotals	1.47	1.06		1.06	0.75	1.06	0.72
2nd Queens							
George Lowther's Subdivision	0.10	0.10					0.10
Subtotals	0.10	0.10					0.10
3rd Queens							
Eastern Realty S-D				0.26	0.26	0.26	
Elwin Jay's S-D	0.17	0.17		0.17	0.17	0.17	
MacLauchlan's S-D	0.06	0.06		0.06	0.06	0.06	
MacAskill's S-D					0.63		
Douglas & Hughes Subdivision	0.24	0.24		0.24	0.24	0.24	
Subtotals	0.47	0.47		0.73	1.36	0.73	
5th Queens							
Sherwood Estates Subdivision	0.44	0.44					0.44
Ives S-D	0.05	0.05		0.05	0.05	0.05	
Subtotals	0.49	0.49		0.05	0.05	0.05	0.44
6th Queens							
Llewellyn's S-D	0.17	0.17		0.17	0.17	0.17	
Southview Estates Subdivision	0.36	0.36		0.36		0.36	0.36
Ellis & Birt S-D	0.25	0.25		0.25		0.25	0.25
Keith Lank's S-D	0.22	0.22					0.22
Subtotals	1.00	1.00		0.78	0.17	0.78	0.83
TOTALS	3.53	3.12		2.62	2.33	2.62	2.09

BRIDGE ENGINEER'S REPORT 1986-1987

In addition to the maintenance work consisting of replacing fill and rip-rap, making structural repairs and painting, the following is a summary of the new work carried out during the year.

PRINCE COUNTY

District	Name and Location	
1	Centre Line Road	Constructed a multiplate galvanized steel arch 8' in diameter by 104' long.
1	Kildare	Constructed a concrete bridge on steel H pile abutments and steel pipe pile piers overlaid with reinforced concrete deck. Bridge with 9 metre roadway by 30 metres long with two concrete curbs and aluminum posts and handrail.
1	Miminegash	Repairs to creosote timber pile bridge and replaced creosote timber deck.
1	Thompson Road	Extended creosote timber box 5' x 12' in section by 32' long.
1	O'Leary	Extended a creosote timber box 6' x 9' in section by 24' long.
2	Milburn	Constructed a multiplate galvanized steel arch 10' in diameter by 132' long.
2	Tyne Valley	Repairs to creosote timber bridge and painted steel I beams
2	Harmony	Constructed a multiplate galvanized steel arch 6' in section by 84' long.
3	Grand River	Repairs to a creosote timber pile trestle.
4	Kelvin	Constructed a creosote timber box 10' x 4' in section by 60' long.
4	Wilmot	Constructed a multiplate galvanized steel arch 6' in diameter by 100' long.
4	Wilmot	Constructed a steel bridge on steel H piles and 14" pipe piles using steel beams overlaid by reinforced concrete deck. Bridge with 15.25 metre roadway, 2 metre sidewalks and steel posts and railing. Bridge 54 metres long.
4	Irishtown Road	Constructed a creosote timber box 3' x 4' in section by 60' long.

QUEENS COUNTY

District	Name and Location	
1	Breadalbane	Constructed a creosote timber box 4' x 4' in section by 60' long
1	Breadalbane	Constructed a creosote timber box 4' x 3' in section by 60' long.
2	Greenvale	Constructed a creosote timber box 4' x 5' in section by 80' long.
2	Milton	Extended a multiplate galvanized steel arch 6' in diameter by 20' long.
2	West River	New channel opening and highway bridge.
3	Glenfinnan	Repairs to a creosote timber pile bridge.
4	Seal River	Constructed a creosote timber box 16' x 7' in section by 168' long.
4	Flat River	Constructed a multiplate galvanized steel arch 14' in diameter by 152' long.

KINGS COUNTY

1	South Lake	Extended a creosote timber box 5' x 4' in section by 40' long.
1	East Lake	Repairs to a creosote timber pile bridge.
2	St. Peters	Constructed a multiplate galvanized steel arch 10' in diameter by 60' long.
3	St. Teresa	Constructed a multiplate galvanized steel arch 12' in diameter by 60' long.
3	Brudenell	Repairs to a creosote timber pile trestle bridge.
4	Montague	Repairs to concrete sidewalk.
4	Lower Montague	Extended a creosote timber box 10' x 7' in section by 40' long.
4	Murray River	Repairs to concrete sidewalk and painted I beams and railing.
4	Valleyfield	Repairs to railing and painted I beams and railing.
5	Primrose	Constructed a creosote box 6' x 7' in section by 60' long.

Highway Planning Engineer's Report 1986-1987

During the 1986-87 fiscal year, the department completed acquisition of its first comprehensive pavement management data base. In years to come, this four-year continuing effort will enhance the ability of the department to rehabilitate the primary and secondary highways in timely fashion.

The Primary Highway Strengthening/Improvement Agreement which began in 1982 ended with preparation of a retrospective evaluation report which describes the benefits which have accrued to the province as a result of this federal/provincial cost-sharing agreement to rehabilitate a portion of the primary highway system. The completed report will be presented to the Government of Canada in 1986. Work began on a similar retrospective evaluation of the Highway Construction Program component of the ERDA Sub-Agreement on Transportation Development.

The ERDA Highway Research and Analysis Program continued during 1986 with completion of studies dealing with water quality adjacent to highway causeways and issues related to the supply of aggregate for highway construction. A study dealing with highway construction specifications and quality control matters is scheduled for completion early in fiscal year 1987-88. During the 1987-88 fiscal year, work began on a large project to develop and implement a Highway Maintenance and Equipment Management System for the department. This work is scheduled for completion late in 1987. Several other projects will be contracted during the remainder of the program.

The Highway Planning Section prepared a submission on long-range transportation planning for the Charlottetown area, including eventual westward extension of the Charlottetown Perimeter Highway to and beyond the Malpeque Road.

The department's routine traffic counting program, which included seasonal counts at 125 sites, supplemented by year-round counts at 9 sites, indicated a growth in traffic volume ranging from 3 to 6 percent over the previous year. At several locations traffic volume was observed to increase by 10 percent since 1985. In addition to the routine program, intersection turning movements were recorded at 46 sites, and 11 speed surveys were undertaken. The traffic studies section completed a review of highway capacity in the Cavendish area.

MATERIALS ENGINEER'S REPORT 1986-1987

The 1986/87 construction year showed a reduction in both Recap and Reconstruction programs resulting in a decrease in asphalt mix production.

No further changes occurred with the number and type of plants involved with the manufacture and production of hot mix asphaltic concrete. The drum plants continued to make up 55% of the asphalt plants in the province.

Asphalt

A total of 228,250 tonnes of asphaltic concrete was produced in 1986. This included binder course, surface course, levelling course and maintenance mixes produced at nine asphalt plants located throughout the province and placed on seventy-nine contracts.

Daily inspection was carried out at each of the nine plants to control the quality of the mix produced. Seven hundred and fifty-nine asphalt samples were collected and analysed for compliance with the Department of Transportation specifications. This resulted in an overall testing frequency of one test for every 300 tonnes of asphalt mix produced.

Three hundred and forty-two cores were removed from the different contracts to determine compliance with compaction and thickness requirements.

The use of local aggregate continued to be confirmed to the coarse aggregate in Mix "A" for provincial roads and the blend sands. The remainder of the aggregate was imported. The type and amount of testing carried out to ensure the quality of these aggregates is noted below:

Test	No. Tests
Sieve Analysis	1289
Specific Gravity	110
Soundness	11
Abrasion	12
Petrographic Number	2

In addition to this quality control testing on the individual aggregates, 24 asphalt mix designs were carried out to determine aggregate proportions and optimum asphalt content.

Soils

Soils testing for 1986 continued to be principally concerned with pulverized asphalt and soil cement, granular base course and sandstone. Tests carried out on these materials included sieve analysis, moisture density relation, specific gravity, California bearing ratio, Los Angeles abrasion, and soundness. A total of 604 samples were processed during the year.

The acquisition of a mobile drilling unit permitted much more comprehensive subsurface and foundation investigations to be carried out. A total of 1369 samples were obtained. Sample analysis included 1369 sieve analysis and moisture content tests, in addition to 96 Atterberg Limit tests.

In the field, 1900 compactions were carried out on the pulverized material, granular base and sandstone.

Concrete

Testing and inspection services were provided for the following jobs:

- 1) Millers Dam
- 2) Charlottetown Bypass Road (Royalty Oaks Int.)
- 3) Summerside Manor
- 4) Kildare Bridge
- 5) West River Bridge
- 6) Wilmot Bridge
- 7) Morell High School
- 8) Montague High School
- 9) Wood Islands Scale House

Laboratory testing of cured samples as well as field determinations of air content, slump and unit weight was carried out. A total of 352 samples were tested for compressive strength.

Benkleman Beam

The deflection testing program continued at the same level as the previous year's requirement providing information for the overlay thickness designs and design verification of the previous year's program.

Paving Award

Matheson & MacMillan Ltd. was the recipient of this year's Paving Award.

TRAFFIC ENGINEERING REPORT 1986-87

Sign Shop

Production from the sign shop in the fiscal year totalled 7,600 new signs and sheets of decals. The breakdown of these was as follows:

Description	Number
1. Silk screened signs	5669
2. Silk Screened sheets of decals	319
3. Directional signs	419
4. Street name signs	384
5. Community signs	99
6. Lettered signs (misc.)	128
7. Barricades	82
8. H.I.S.S. (new)	504
9. H.I.S.S. (repaired)	1710
10. New signs produced	7285
11. Total new production	7604

The lack of space for sign storage, work area and inventory control continued to be a problem in the sign shop. The H.I.S.S. signs again had to be warehoused elsewhere and transported to the shop to facilitate repairs.

Of the signs produced 6,320 were taken out by department sign crews. Other department crews used 420 signs on construction or maintenance work. Another 400 signs were sold to municipalities, construction companies or other departments and agencies.

Highway Signing

Repairs in the field were carried out by the five summer crews and three winter crews. These crews erected or repaired the following signs during the year:

1. New regulatory and warning signs	4,360
2. New direction boards	376
3. New community signs	105
4. Seasonal curb markers and bump signs	2,566
5. Repaired or re-erected signs	4,339

The erection and repairs of these signs required the following new materials:

1. 2" x 3" cross members	487
2. 4" x 4" posts	702
3. 5" x 5" posts	2,821
4. Steel posts	1,000

The quantity of posts was down 20% from the previous year as a result of low snow plow damage. Three new overhead signs were erected, two on Route 2 in Mt. Stewart in conjunction with highway reconstruction, and one on the TCH in Wood Islands.

The highway signing operation took delivery of two new one-ton trucks during the year, one is used by the Souris crew and the other by the Summerside crew. Three new truck boxes were purchased for the three full-time sign trucks.

Highway Information Signage System

The HISS signs were erected in spring and removed in the fall by the Parks section personnel.

New installation and repair was tendered, with the contract for this work going to Island Post Hole of Charlottetown. The precast concrete bases were tendered, with the contract for supply going to Campbell's Concrete of Sherwood. Arsenault's Sawmill of Wellington supplied the wooden posts under another contract.

There were 186 new standards installed, with 551 new signs attached to these or other existing standards. There were 150 standards repaired and 70 standards were relocated along Route 6, to improve visibility and reduce the conflict with other highway signs in advance of intersections.

This program now has approximately 1,050 standards and 2000 signs within the province. With the program continuing to grow yearly, measures may have to be taken on restricting standard locations and numbers of signs per applicant, if safety and sign effectiveness are to be maintained in the future.

Highway Marking

Centerline markings were applied to approximately 1900 km of highway during the fiscal year. This required 121,000 liters of yellow paint. Another 10,000 liters of white paint was used for shoulders and lane line markings on approximately 230 km of highway. This paint was applied utilizing the department striper operated by Bernard Painters Limited of Wilmot. The machine continued to experience maintenance problems.

Two intersection marking crews using small striping machines applied 4,500 liters of white paint and 800 liters of yellow paint to many of the intersections in the province. This involved new channelizing islands at the intersection of TCH and Route 13 in Crapaud.

Edge line markings have been previously applied only where there are paved shoulders. This year edge line markings were placed on short sections of Route 2 near Richmond, Route 25 in York and Route 6 in Rusticoville. This was done with the small paint machine. The additional delineation provides

improved driver guidance especially under night time conditions.

All paint was supplied by Northumberland Chemicals Inc. of Parkdale. Reflectorizing the paint as it was applied required 91,650 kg of glass beads. These were supplied by Rea-Fac Agencies of Charlottetown.

Thermoplastic markings were placed in conjunction with new construction at the following locations:

Carleton Siding - Int. of TCH, Carleton St., local road and the entrance to the scale house.

Carleton Siding - Int. of TCH & Route 10

Albany - Western approach to the TCH & Route 1A interchange.

Wilmot - McEwen Road at Water St. East.

Sherwood - Int. of Route 15, Sherwood Road and Airport entrance.

Mount Stewart - Int. of Route 2 and 22.

In order to provide better production in the future, specifications were prepared for a truck mounted centerline striper. Tenders were prepared in anticipation of delivery of such a vehicle in 1987.

Highway Lighting

Fully actuated traffic signals were installed in Sherwood at the newly constructed Norwood Road/Riverside Drive/St. Peters Road intersection. There were also seventeen 180 watt low pressure sodium lights installed at this intersection. Fourteen 180 watt LPS lights were installed in Carleton Siding at the Intersection of the TCH and Main St., Carleton St., a local road, and the entrance to the department scale house. In Wilmot six new 180 watt LPS lights were installed at the Red Bridge and intersection of Route 1A and 107. Single unit LPS lights were also installed in Brackley (Routes 15 and 220), Wellington Center (Routes 2 and 179), and Bothwell (Routes 16 and 301).

The high pressure sodium lighting system was removed from the Hillsborough Bridge and approaches and replaced with 135 watt low pressure sodium luminaries. There was one additional unit installed at the TCH/Bunbury Road intersection, bringing the total units at this location to 58. This was done under contract by Hansen Electric of Parkdale.

Maintenance of the low pressure sodium lights in the province was carried out under four maintenance contracts. Maintenance of traffic signals, bridge lighting, flashing beacons and other lighting was carried out as required.

Warning beacons were installed in Malpeque at the intersection of Route 20 and the road to Malpeque Harbour and two in Alberton at the intersection of Route 12 and 152, and Route 152 and Poplar Street. Flashing beacons on heavy barricades were used at several locations for bridge construction, detours, etc.

Highway Design and Access Control

Intersection designs were prepared for the following locations:

Crapaud - TCH-Route 13

Alberton - Route 12 and 152

South Lake - Route 16 and 16A

Churchill - TCH-Entrance to Strathgartney Prov. Park.

Access and subdivision applications at approximately 125 locations were examined for safety and internal design. Entrance and paving designs were evaluated at approximately 75 other locations.

Traffic related activities were improved during the year with the addition of a technician in Summerside to provide better service to the Prince County area. Two technicians were sent to the Ontario Traffic Conference for three weeks training in traffic engineering related matters.

Work Zone Safety

Inspection of work zone safety was provided by the technical staff supplemented by one casual worker during the construction season. The technical problems encountered and the volume of work to be inspected will require that this aspect of the work become more organized in the future.

PROVINCIAL CONSTRUCTION TENDERS

Brackley Point Road, Rte. 15

Paving, 3.00 km

Tenders Opened July 18, 1986

Island Coastal Services Ltd.	251,455.00
Island Construction Ltd.	200,130.00
Chapman Brothers Ltd.	195,262.50
Curran & Briggs Ltd.	220,667.50

Awarded to Chapman Brothers Ltd.

Sleepy Hollow Road (Melody Lane Extension - West)

Subgrading and Paving, 1.50 km

Tenders Opened July 24, 1986

Island Coastal Services Ltd.	157,900.00
Island Construction Ltd.	131,009.50
Chapman Brothers Ltd.	133,437.50
Curran & Briggs Ltd.	158,317.50

Awarded to Island Construction Ltd.

Wiltshire Road, Rte. 225 (Bedeqe Road)

Paving, 1.40 km

Tenders Opened July 24, 1986

Island Coastal Services Ltd. 103,226.00

Island Construction 76,122.00

Curran & Briggs Ltd. 85,986.00

Awarded to Island Construction Ltd.

Greenmount Road

Subgrading and Paving, 3.20 km

Tenders opened June 26, 1986

H.I. Construction Ltd. 320,717.00

Morrison & McRae Ltd. 341,189.20

Awarded to H.I. Construction Ltd.

Northam Road, Rte. 132

Paving, 2.60 km

Tenders Opened June 26, 1986

Morrison & McRae Ltd. 119,082.60

Chapman Brothers Ltd. 121,585.10

Curran & Briggs Ltd. 124,676.76

Awarded to Morrison & McRae Ltd.

Farmington Road, Rte.2

Subgrading and Paving, 0.42 km

Tenders Opened October 14, 1986

Chapman Brothers Ltd. 171,600.00

Kings County Construction Ltd. 197,650.00

Awarded to Chapman Brothers Ltd.

West Earnscliffe Road

Paving, 1.60 km

Tenders Opened October 07, 1986

Chapman Brothers Ltd. 82,570.00

Matheson & MacMillan Ltd. 72,605.00

Awarded to Matheson & MacMillan Ltd.

Water Street, O'Leary

Storm Sewer and Paving, 0.24 km

Tenders Opened October 07, 1986

H.I. Construction Ltd. 38,804.20

Curran & Briggs Ltd. 47,385.20

Awarded to H.I. Construction Ltd.

Riverside Drive

Rip-rap and Paving, 0.80 km

Tenders Opened October 07, 1986

Chapman Brothers Ltd. 174,150.00

Island Coastal Services Ltd. 84,760.00

Awarded to Island Coastal Services

Rattenbury Road, Rte. 254

Paving, 1.25 km

Tenders Opened October 07, 1986

Westisle Construction Ltd. 66,707.50

Curran & Briggs Ltd. 64,895.00

Awarded to Curran & Briggs Ltd.

Palmer Road, Rte. 156

Paving, 1.25 km

Tenders Opened October 07, 1986

H.I. Construction Ltd. 69,960.00

Awarded to H.I.Construction Ltd.

Miminegash Shore Road, Rte. 14

Paving, 4.12 km

Tenders Opened July 14, 1986

H.I.Construction Ltd. 197,720.80

Curran & Briggs Ltd. 208,316.60

Awarded to H.I.Construction Ltd.

Wedgewood Avenue, Sherwood

Paving, 0.36 km

Tenders Opened July 14, 1986

Island Coastal Services Ltd. 41,345.00

Island Construction Ltd. 34,055.00

Chapman Brothers Ltd. 44,685.00

Curran & Briggs Ltd. 44,462.50

Awarded to Island Construction Ltd.

Yorkshire Drive, Sherwood

Paving, 0.24 km

Tenders Opened July 14, 1986

Island Coastal Services Ltd. 26,854.00

Island Construction Ltd. 21,774.50

Chapman Brothers Ltd. 29,439.50

Curran & Briggs. 28,603.25

Awarded to Island Construction Ltd.

Palmer Road, Rte. 6

Subgrading and Paving, 1.00 km

Tenders Opened July 14, 1986

H.I. Construction Ltd. 86,196.00

Curran & Briggs Ltd. 85,895.00

Awarded to Curran & Briggs Ltd.

Valdane Avenue, Sherwood

Subgrading and Paving, 0.24 km

Tenders Opened July 14, 1986

Island Coastal Services Ltd. 25,269.00

Island Construction Ltd. 21,344.00

Chapman Brothers Ltd. 26,632.00

Curran & Briggs Ltd. 26,780.75

Awarded to Island Construction Ltd.

Clermont Road, Rte. 110

Paving, 0.90 km

Tenders Opened June 26, 1986

Morrison & McRae Ltd. 90,174.50

Chapman Brothers Ltd. 85,547.50

Curran & Briggs Ltd. 96,980.50

Awarded to Chapman Brothers Ltd.

Smallman Road

Paving, 1.27 km

Tenders Opened June 26, 1986

H.I. Construction Ltd. 99,040.90

Morrison & McRae Ltd. 93,327.83

Awarded to Morrison & McRae Ltd.

Fifteen Point Road, Rte. 124 and 177

Paving, 2.00 km

Tenders Opened June 26, 1986

Morrison & McRae Ltd. 91,442.00

Chapman Brothers Construction Ltd. 92,855.00

Curran & Briggs Ltd. 99,500.00

Awarded to Morrison & McRae Ltd.

East Point Road, Rte. 16

Subgrading and Paving, 1.52 km

Tenders Opened June 26, 1986

Chapman Brothers Ltd. 183,408.00

Kings County Construction Ltd. 206,421.00

Awarded to Chapman Brothers Ltd.

Cape Wolfe North (Shore Road), Rte. 14

Paving, 0.52 km

Tenders Opened September 02, 1986

H.I. Construction Ltd.	23,095.92
Curran & Briggs Ltd.	23,479.78

Awarded to H.I. Construction Ltd.

Albany Road

Subgrading and Paving, 1.20 km

Tenders Opened September 02, 1986

Curran & Briggs Ltd.	92,099.20
Westisle Construction Ltd.	117,447.60
Chapman Brothers Ltd.	112,922.40

Awarded to Curran & Briggs Ltd.

Pownal Road, Rte. 1A

Paving, 3.10 km

Tenders Opened September 02, 1986

Matheson & MacMillan Ltd.	187,200.00
Chapman Brothers Ltd.	210,845.00

Awarded to Matheson & MacMillan Ltd.

West Point (Shore Road), Rte. 14

Paving, 1.15 km

Tenders Opened September 02, 1986

H.I. Construction Ltd.	50,635.40
Curran & Briggs Ltd.	50,156.10

Awarded to Curran & Briggs Ltd.

E.R.D.A. TENDERS

Days Corner to Richmond

Subgrading and Paving, 5.80 km

Tenders Opened June 23, 1986

Chapman Brothers Ltd.	621,467.00
Morrison & McRae Ltd.	627,350.00
H.I. Construction Ltd.	793,840.00
Curran & Briggs Ltd.	598,958.00

Awarded to Curran & Briggs Ltd.

Vernon River to Summerville

Subgrading and Paving, 5.50 km

Tenders Opened June 23, 1986

Chapman Brothers Ltd.	1,148,720.00
Matheson & MacMillan Ltd.	1,086,930.00
Curran & Briggs Ltd.	1,233,235.00
Awarded to Matheson & MacMillan Ltd.	

North Bedeque-Schurmans Point Road

Subgrading and Paving, 1.83 km

Tenders Opened June 23, 1986

Chapman Brothers Ltd.	321,450.00
Morrison & McRae Ltd.	310,955.00
Curran & Briggs Ltd.	306,855.00
Awarded to Curran & Briggs Ltd.	

Miscouche to C.F.B. Summerside Intersection, Rte. 2

Subgrading and Paving, 3.60 km

Tenders Opened September 29, 1986

Chapman Brothers Ltd.	798,535.00
Curran & Briggs Ltd.	772,070.00
Westisle Construction Ltd.	892,764.00
Awarded to Curran & Briggs Ltd.	

Winsloe to Peter Pan, Rte. 2

Paving, 4.04 km

Tenders Opened February 19, 1986

Curran & Briggs Ltd.	141,762.50
Island Construction Ltd.	130,295.00
Chapman Brothers Ltd.	123,900.00
Awarded to Chapman Brothers Ltd.	

Albany Interchange to Borden, Rte. 1

Subgrading and Paving, 5.68 km

Tenders Opened February 19, 1986

Curran & Briggs Ltd.	393,357.50
Morrison & McRae Ltd.	402,482.50
Chapman Brothers Ltd.	372,260.00
Awarded to Chapman Brothers Ltd.	

Vernon River to Millview, Rte. 3

Paving, 4.91 km

Tenders Opened February 19, 1986

Curran & Briggs Ltd.	191,765.00
Matheson & MacMillan Ltd.	170,855.00
Chapman Brothers Ltd.	172,150.00

Awarded to Matheson & MacMillan Ltd.

HIGHWAY STRENGTHENING TENDERS

Greenvale to Hunter River

Paving, 3.08 km

Tenders Opened March 03, 1986

Chapman Brothers Ltd.	86,580.00
Dennis Construction Ltd.	97,250.00
Curran & Briggs Ltd.	72,495.00
Island Construction Ltd.	67,770.00

Awarded to Island Construction Ltd.

Portage to West Devon

Paving, 4.44 km

Tenders Opened February 14, 1986

H.I. Construction.....	118,075.00
Curran & Briggs Ltd.	117,000.00

Awarded to Curran & Briggs Ltd.

Clyde Road to Hunter River

Paving, 3.00 km

Tenders Opened February 14, 1986

Dennis Construction Ltd.	82,150.00
Island Construction Ltd.	72,795.00
Curran & Briggs Ltd.	81,025.00
Chapman Brothers Ltd.	85,900.00

Awarded to Island Construction Ltd.

Mt. Stewart to St. Andrews

Paving, 3.80 km

Tenders Opened February 14, 1986

Matheson & MacMillan Ltd.	114,300.00
Chapman Brothers Ltd.	126,050.00

Awarded to Matheson & MacMillan

North Bedeque to Central Bedeque

Paving, 3.42 km

Tenders Opened February 14, 1986

Morrison & McRae Ltd.	122,925.00
Curran & Briggs Ltd.	132,315.00
Chapman Brothers Ltd.	125,160.00

Awarded to Morrison & McRae Ltd.

St. Peters Road (Dingwells Mills) to Armdale

Subgrading and Paving, 3.36 km

Tenders Opened February 14, 1986

Matheson & MacMillan Ltd.	182,234.50
Chapman Brothers Ltd.	189,781.00

Awarded to Matheson & MacMillan Ltd.

Greenvale to Hunter River, Rte.2 West

Rehabilitation and Paving, 3.08 km

Tenders Opened February 14, 1986

Dennis Construction Ltd.	640,583.00
Island Construction Ltd.	531,050.00
Curran & Briggs Ltd.	616,015.00
Chapman Brothers Ltd.	648,620.00

Awarded to Island Construction Ltd.

BRIDGE TENDERS 1986**Seal River Bridge, Lot 49, Queens County**

Tenders Opened September 29, 1986

MacCallum Construction Ltd.	149,956.74
Highfield Construction Ltd.	140,884.90
Noye & Noye Ltd.	94,261.20

Awarded to Noye & Noye

West River Causeway (Structural Steel)

Tenders Opened April 22, 1986

Prebilt Structures Ltd.	1,146,000.00
Maloney Steel Ltd.	643,000.00
York St. Steel	653,991.00
Subsea Technology	608,501.19
Maritime Steel Ltd.	524,000.00
Ocean Steel Ltd.	528,476.00

Awarded to Maritime Steel Ltd.

West River Causeway (New Channel Opening and Bridge)

Tenders Opened January 29, 1986

Curran & Briggs Ltd.	1,640,317.00
Morrison & McRae Ltd.	2,109,360.00
Robert MacAlpine Ltd.	1,766,410.00
Millcon Limited	1,876,382.00
Highfield Construction Ltd.	2,317,450.00

Awarded to Curran & Briggs Ltd.

Kildare Bridge

Tenders Opened May 12, 1986

Highfield Construction Ltd.	487,750.00
Morrison & McRae Ltd.	489,870.00
Gaudette's Transit Mix	483,540.75
Millcon Ltd.	454,290.00

Awarded to Millcon Ltd.

Wilmot Bridge

Tenders Opened April 24, 1986

Morrison & McRae	2,085,448.00
Curran & Briggs	2,035,865.90
Robert McAlpine Ltd.	2,149,710.00

Awarded to Curran & Briggs Ltd.

West River Causeway (Reinforced Concrete Deck & Guardrail)

Tenders Opened July 08, 1986

Curran & Briggs	333,559.45
Highfield Construction Ltd.	348,428.00

Awarded to Curran & Briggs Ltd.

West River Causeway (Dredging and Disposal Areas)

Tenders Opened August 14, 1986

Curran & Briggs Ltd.	66,813.50
Island Coastal Services Ltd.	93,570.00

Awarded to Curran & Briggs Ltd.

HIGHWAY MAINTENANCE DIVISION 1986

SUMMER MAINTENANCE

Hot mix asphalt for our patching crews was available from the last week in May to the first week in November. A total of 45,544 tonnes was used by the Branch in repairing the Province's paved road network. Hand patching crews spread 21,305.76 tonnes to repair potholes and other distressed areas; grader crews spread and rolled 12,196.68 tonnes over some larger distressed areas where the pavement was severely wheel-rutted, deformed or cracked; our spreader crew resurfaced 14.13 kilometers of badly distressed pavement with 5,454 tonnes of asphalt and contractors spread 2712.44 tonnes to resurface 3.47 kilometers; deep patching crews jackhammered out some severely damaged sections and repaired them with 2,940 tonnes; and another 935.6 tonnes were used by crews to repair damage to driveway culverts that occurred because of frost action.

The following is the tonnage of asphalt acquired from each firm:

Gaudettes Transit Mix	3,237.58
H.I.Construction	5,392.21
Curran & Briggs (St.Eleanors).....	4,245.50
Curran & Briggs (Lady Fane)	4,527.42
Island Construction	12,897.99
Matheson & MacMillan	6,428.84
Chapman Bros. (Dingwells Mills)	6,612.54
Dennis Construction (Springton)	2,001.87
Dennis Construction (Hazelbrook).....	181.95
Westisle Construction	18.61
TOTAL	45,544.51

Resurfacing

The following roads were resurfaced with a 1½" lift of asphalt from the Pavement Maintenance Budget.

Prince County

Route #2 - Travellers Rest	.19 kilometers
Cascumpec Route #12	.30 kilometers
O'Leary Route #142	.35 kilometers
Route #14 - Milo	.55 kilometers
O'Leary streets	.49 kilometers
St. Nicholas Route #11	.28 kilometers
Scales Pond Route #109	.19 kilometers
	2.35 kilometers

Queens County

T.C.H. West Royalty	0.60 kilometers
T.C.H. West Cornwall	0.78 kilometers
Alcan Dr., Cornwall	0.53 kilometers
Brackley Point Road	0.50 kilometers
Lantz Sub-division	0.37 kilometers
Kinlock Road	0.65 kilometers
Monaghan Road	0.96 kilometers
Meadowbank Road	0.20 kilometers
New Dominion Road	0.32 kilometers
Cumberland	0.09 kilometers
Cornwall Road	0.70 kilometers
Hillside Drive - Sherwood	0.45 kilometers
Fairview Drive - Sherwood	0.45 kilometers
Lyndale Road	1.00 kilometers
Victoria	0.52 kilometers
	8.12 kilometers

Kings County

Route 332 Fortune Road	1.16 kilometers
Route 350 Lakeside Road	0.92 kilometers
Route 322 Red Head Road	0.31 kilometers
Route 313 Cardigan Road	1.66 kilometers
Route #5 48 Road	0.42 kilometers
Route #18 Murray Harbour Road	1.58 kilometers
Route #310 Annandale Road	0.57 kilometers
Route #310 Little Pond Road	0.51 kilometers
	7.13 kilometers

Crackfilling

This is a process whereby a hot rubberized compound is used to fill random cracks in the paved highway surface to prevent water from entering into the sub-structure.

During this 1986 season, the Department routed and sealed 47,181 lineal meters of cracks. A total of 68 barrels or approximately 15,145 kilograms of sealant was used in carrying out this activity. By County, the breakdown was as follows:

Prince County	13,871 Lineal meters
Queens County	14,513 Lineal meters
Kings County	18,797 Lineal meters
Total	47,181 Lineal meters

Seeding Report

The seeding program started June 02/86 and ended October 10/86. During this time the seeding crew used 290.23 tonnes lime, 1,786 bags fertilizer, 301 bags seed and 2,785 bags mulch for roadside seeding. Also, in co-operation with the Department of Community and Cultural Affairs, we seeded the following landfill dump sites: Summerside and Cardigan and one dam site, the Department of Fish and Wildlife in Kelvin Grove in Prince County.

The seeding operation is a very necessary part of the maintenance program as it helps to eliminate soil erosion from ditches, snowtraps, steep slopes and prevents siltation of rivers, streams, ponds and also adds immensely to the appearance of our highways.

The equipment used in the seeding program was all government owned and operated and consisted of the following: Hydro seeder, grader with scarifiers, one water truck, two farm tractors - 1 with harrows and 1 with a roller, supply truck to carry seed, fertilizer lime and mulch. The crew consisted of a foreman and five labourers.

The seeding crew was also used extensively for cutting grass, weeds, etc. around guardrails in various areas of the province when conditions would not allow seeding or when waiting for roads to be made ready for seeding.

Bush Cutting - 1986

During the season we had five mechanical bush cutters, government owned and operated, working extensively cutting bushes along our highway. In Prince County they cut 433.4 km; in Queens County 283.6 km and Kings County 350 km. Also, the Department hired a bush crew for each district consisting of a foreman, two labourers and a 3-ton truck to follow the mechanical bush cutters to pick up debris and trim where the cutter could not reach. This proves to be successful as it eliminates scattered bushes in ditches and improved the appearance of our highways. Also the Department, in co-operation with the Department of Forestry and Energy, hired 10 bush crews - 5 in Prince County and 5 in Queens County. These crews were used for cutting bushes along the highways, intersections, blind hills and curves to improve sight distances and roadside appearance.

The following is the number of kilometers of bush cutting done using mechanical bush cutters by district per county:

1st Prince 99.4	1st Queens 54.6	1st Kings 64
2nd Prince 142	2nd Queens 70.0	2nd Kings 100
3rd Prince 111	3rd Queens 71.5	3rd Kings 79
4th Prince 81	4th Queens 87.5	4th Kings 65
		5th Kings 42
Totals 433.4	Totals 283.6	Totals 350

Grass Cutting

The Department hired 20 private grass cutters to maintain 1,814.6 km of roadside grass cutting. They were contracted to cut grass from mid-June until the end of September. The Department used seven (7) government owned farm tractors equipped with a rotary or flail cutters to maintain 1,565 km of roadside grass cutting from June to September, 1986. Also, when the seeding crew were not seeding, it was used extensively for cutting grass, weeds and small brush around guardrails in various areas of the province. In 3rd District of Queens, a 5-man crew of students were used to cut grass weeds around the guardrails in that district. This proved to be a very worthwhile project as it greatly enhanced the appearance of our highway.

Shoulder Material

During the past season, 2,860 m³ of shoulder material was used to upgrade and repair worn out sections of shoulders on the following roads:

ROAD

	Cubic Meters	Kilometers
T.C.H. - Crapaud to Tryon	360 m ³	1.0 k
T.C.H. - Cornwall to Clyde River	1,000 m ³	3.2 k
Malpeque Rd. - Milton to Springvale	1,000 m ³	3.0 k
Seven Mile Road - Bridgetown toward Glenfanning	500 m ³	2.0 k
	2,860 m ³	9.2 k

Guardrail Program

This year the Department hired 7 guardrail crews, 2 crews in Prince, 2 Crews in Queens and 3 crews in Kings. These crews were used to maintain worn out sections of guardrail on various sections of our highway system across the Province. Also, these crews were used to cut grass and weeds using Whipper Snippers around guardrails and guideposts in each district.

Dust Control

Flake Calcium Chloride

One CN carload of flake calcium chloride was used on our unpaved road

network to control dust in each county.

Liquid Calcium Chloride

This was a new program initiated by the Department in the summer of 1986. Liquid calcium usually a 35% solution, is applied by tanker and spray bar after the gravelled unpaved road has been graded to ensure a smooth riding surface and proper crown.

This year 16,000 liters was applied to 1.00 kilometer of the Dixon Road in 1st Queens and 24,000 liters to 1.50 kilometers of the Trainor Road in 1st Prince.

This program follows a proposed 4 year cycle where the initial application is reduced downward from 16,000 liters per kilometer the first year to 3,000 liters per kilometer the fourth and final year.

The program, if successful, should become a necessary program as it increases safety and reduces dust pollution, as well as stabilizing the road surface which reduces costs for blading and gravelling unpaved roads.

Road Maintenance

During the past year our District Motor Graders were used extensively to scrap and maintain our unpaved road network and to reshape and reditch some others. To aid in the later operation, loaders, and trucks (Department or Private) were used to haul away unsuitable material. Sandstone and/or gravel was placed for a new surface material and new culverts, driveway or crosspipes were installed as required.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately owned ditching machines and sometimes Department trucks but mainly privately owned trucks. Again, new culverts, driveway and cross pipes were installed as required.

District Maintenance crews equipped with one 3 ton truck and one backhoe were employed in repairing washouts, installing new culverts to accommodate building permits, replacing and resetting other drainage pipes or culverts and carrying out many other miscellaneous tasks.

Sandstone and/or gravel used to carry out the above tasks of surfacing, repairing washouts and material for drainage pipes was as follows.

	Sandstone (m ³)	Gravel (m ³)
Prince County	13,774	6,762
Queens County	24,129	1,044
Kings County	10,932	2,268

The amount of culvert installed was as follows:

Prince County - 4,516 meters
 Queens County - 5,859 meters
 Kings County - 2,673 meters

The accompanying tables give the location and extent of work done in each county for the past year.

District	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains
FIRST PRINCE						
Brenton Philips District Supervisor						
Broderick		1.1		1.1	1.1	
Martin		0.7		0.7	0.7	
Griffin		0.4		0.4	0.4	
DesRoches		0.3		0.3	0.3	
Farley		0.2		0.2	0.2	
Cape Gage		0.2		0.2	0.2	
Gaspe		0.5				
Centre Line	2.0	0.5				
St. Edwards	0.5					
Miminegash	0.6					
Kildare	0.4					
Dock	0.4					
Union	0.3					
Mt. Royal	0.3					
Miscellaneous	0.5	0.2				0.3
TOTAL	5.0	4.1		2.9	2.9	0.3
SECOND PRINCE						
George Frizzell District Supervisor						
MacArthur		0.8		0.8	0.8	
Winston Barlow		0.8		0.8	0.5	0.3
MacNeill		0.8		0.8	0.5	
Harts Gravel		1.6		1.6	0.3	
Stewart		0.8			0.3	
Terry Boylan		0.2			0.2	
Bay		1.6			0.3	
Trowsdale Subdivision		0.4				
Line Road - Milo	0.7					
Northam	0.5					
Mount Pleasant - Detour Road	0.3					
Western Road	0.3					
Gillis	0.4					
Miscellaneous	0.8	0.3				
TOTAL	3.0	7.3		4.0	2.9	0.3

District	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains
THIRD PRINCE						
Keith Sudsbury District Supervisor						
Cannontown		3.0		3.0	1.0	0.6
Thunder Cove		0.8		0.8	0.8	
Taddy		0.9				
MacLellan		0.3				
Perry					0.5	
Harmony Line	0.7					
Route #12 - Lot 16	1.2					
Praught	0.5					
Route #11 - St. Chrysostome	0.5					
St. Raphael	0.5					
St. Nicholas	0.3					
Miscouche	0.3					
Miscellaneous	0.4	0.2			0.4	1.1
TOTAL	4.4	5.2		3.8	2.7	1.7
FOURTH PRINCE						
Alastair MacLeod District Supervisor						
Taylor		0.8		0.8	0.8	
Bell		0.6		0.6	0.6	
Bedeque Rink		0.5		0.5	0.5	
Lower Victoria		0.3		0.3	0.3	
Muttart Shore		0.3				
Curtis		0.3				
Old Bedeque	0.3					
Searletown	0.8					
Mt. Tryon	0.8	0.4				
Tyron Branch	0.3					
Walsh					0.3	
Rayner Shore					0.4	
Inman Shore					0.2	
Miscellaneous	0.6	1.8				0.5
TOTAL	2.8	5.0		2.2	3.1	0.5
TOTAL FOR PRINCE COUNTY	15.2	20.6	NIL	12.9	11.6	2.8
FIRST QUEENS						
Donald Dickieson District Supervisor						
Smith Road	0.6	0.9	1.5	0.9	0.3	0.15
Millvale Road		0.5	0.5			
New London Road	0.5		0.5			
Old Princetown Road	0.2		0.2			
Emerald Road	0.2		0.2			
Upper Breadalbane Road	0.8	0.1	0.9	0.1	0.1	

District	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains
Post Office Rd. Breadalbane	0.3		0.3			
South Granville	0.2		0.2			
Seaview Road	0.2		0.2			
Irishtown Road	1.7		1.7			
Route 20 (Springbrook)	0.6		0.6			
Route 20 (French River)	0.4		0.4			
Eel Creek Road	0.3		0.3			
Hope River Road	0.1		0.1			
McCourt Road		0.2	0.2	0.2	0.2	0.12
Mill Road, Emerald		1.0	1.0	1.0	0.7	
Millman Road		0.3	0.3	0.3	0.3	
Campbell Road		0.1	0.1	0.1	0.1	
Dump Road (French River)		0.4			0.4	
Old Town Road		0.4			0.4	
Junction Road	1.2		1.2			
Route 225 (Rose Valley)	0.3		0.3			
Green Bay Road		0.9	0.9	0.9		
TOTAL	7.6	4.8	11.6	3.5	2.5	0.27

SECOND QUEENS

Clayton Coles
District Supervisor

St. Catherines

Road		0.7	0.7	0.7	0.7	
Cameron Road		0.2	0.2	0.2	0.2	
Little Bungay Road		0.2	0.2	0.2	0.2	
Baltic Road		0.2	0.2	0.2	0.2	
Crabbe Road		0.7	0.7	0.7	0.2	
Millboro Road		0.4	0.4		0.5	
Houston Road		0.5	0.5			
Snowy Road		0.1	0.1			
Nine Mile Creek	0.2		0.2			
T.C.H. West	0.2		0.2			
Clarkin Road		0.5	0.5	0.5	0.3	
Wiltshire Road	0.3		0.3			
Malpeque Road	0.2		0.2			
Back Road, Cornwall	0.3		0.3			0.4
Johnston Road	0.1		0.1			
Elmwood Road	0.2		0.2			
Mayfield Road	0.2		0.2			
Rustico Road	0.3		0.3			
Miscellaneous ditching	0.7	0.2	0.9			

TOTAL	2.7	3.7	6.4	2.5	2.3	0.4
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District	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains
THIRD QUEENS						
Bennett MacIsaac District Supervisor						
Afton Road		1.5	1.5	1.5	0.7	0.2
Fanningbrook Road		0.9	0.9	0.5		
Dromore						
Avondale Road		0.7	0.7			
Johnston River		0.8	0.8	0.8		
MacMillan Pt. Road		0.3	0.3	0.3	0.1	
Hambley Road		1.0	1.0	1.0		0.05
Bedford Road	1.0		1.0			
Simpson Road		0.4	0.4	0.4		
Battery Pt. Road		0.3	0.3	0.3		
Line Road		0.4	0.4	0.4		
Queens Pt. Road		1.0	1.0		0.3	
Brackley Pt. Road	0.5		0.5			
Clearview Estates	0.5		0.5			
Mt. Stewart	0.4		0.4			
Dunn Road		0.5	0.5	0.5		0.2
North Winsloe	0.6		0.6			0.2
Winsloe (C.N.R.)						0.4
East Suffolk		0.3	0.3			
Tracadie Beach		0.2			0.2	
Aptos Avenue		0.15	0.15	0.15	0.15	
TOTAL	3.0	8.45	11.25	5.85	1.45	1.05
FOURTH QUEENS						
Richard Rooney District Supervisor						
Village Green (West)		0.4			0.4 (s)	0.16
Village Green (West)		0.2			0.2 (g)	
Village Green (East)		0.9	0.9	0.9	0.1	
Garfield Road at 207		0.2			.2	
Murray's Road (South)		1.6	1.6	1.6	1.1	
Glencoe Road (North)		0.2			0.2	
Gay Road		0.2			0.2	
Culloden Road		0.2			0.2	
Gillis Road		1.2	1.2	1.2		
Brooklyn Road		1.6	1.6	1.6		
Orwell Corner Road						
West		0.5	0.5	0.5		
Irving Road (West)		0.6	0.6	0.6		
Klondike Road (East)		0.8	0.8	0.8		
Shore Road (East)	0.2		0.2			
Lyndale Road	0.4		0.4			0.3
Vernon River Road at 24	0.4		0.4			
Newtown Road	0.1		0.1			
Murray Harbour Rd. at 206	0.5		0.5			

District	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains
Murray Harbour Rd. at 315	0.2		0.2			0.1
Murray Harbour Rd. at 212	0.2		0.2			
Murray Harbour Rd. at 211	0.5		0.5			
Selkirk Rd. Mont. Rd. at		0.2	0.2			
Alberry Plains	0.1		0.1			
Pownal Rd. at Pownal	0.35		0.35			Snowtrap .35
Pownal Rd. at Alexandra	0.2		0.2			Snowtrap .2
Kinross Rd. at Kinross	0.2		0.2			
Teahill Crescent	.2		0.2			
Iona Road	0.3		0.3			
TOTAL	3.85	8.80	11.25	7.2	2.60	1.11
TOTAL FOR QUEENS COUNTY	17.15	25.75	40.50	19.05	8.85	2.83
FIRST KINGS						
George Saville District Supervisor						
Lower Rollo Bay Loop	0.10					
Sheep Pond	0.10					
Souris River	0.20					
Souris to South Lake	1.30					
Baltic Road	0.50					
Greenvale Road		2.7		2.70		
TOTAL	2.2	2.7		2.70		
SECOND KINGS						
Robert Rowell District Supervisor						
Sparrow's Road	0.35					
St. Peter's Road	0.75					
Forest Hill	0.20					
Millburn	0.10					
Bangor	0.22					
Webster's Road				0.50		
Ashton Road				2.10		
Bennet Road				1.40		
Kennefican Road				1.50		
Indian Bridge				1.12	0.60	
New Road Morell Rear				1.00		
TOTAL	1.62			7.62	0.60	

District	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains
THIRD KINGS						
Bernard Koke District Supervisor						
Knox Dam				1.40		
Reed's Road				0.8	0.8	
Clooin's Road				0.3	0.3	
Power's Road				1.0		
Sparrow's Road	0.30					
Union Road	0.10					
Clay Road	0.20					
Victoria Cross	0.40					
TOTAL	1.00			3.5	1.10	
FOURTH KINGS						
Irving MacKay District Supervisor						
Black Brook Road		0.40				
Cove Road		0.20		2.00		
Valleyfield		0.10				
Albion		0.10				
Jack Westaway Road				1.00		
Caladonia				.50		
Iris				.60	.60	
TOTAL		0.80		4.10	.60	
FIFTH KINGS						
George MacPherson District Supervisor						
Little Pond	0.90					
Malrose Road	0.15			0.65		
St. George's Road		.15				
St. Mary's Road	0.80					
Sturgeon Main Road	0.20					
Annandale Main Road	0.20					
Dollinger Road					0.50	
Howlett Road (Annandale)					0.25	
Beach Road (Launching)				1.0	0.60	
Mill Road (Woodville)					0.20	
Long Wharf Road				0.60	0.20	
Panmure Island				0.25		
Loyalist Road				0.80		
TOTAL	2.25	.15		3.30	1.75	
TOTAL FOR KINGS COUNTY	7.07	3.65	NIL	21.22	4.05	NIL

WINTER MAINTENANCE

Ice Control

Winter activities for this Branch of the Department includes salting and sanding operations, temporary repairs to paved road - 1,500 tonnes of cold mix asphalt was used along with a number of tonnes of recycled hot mix asphalt produced from our three asphalt recyclers, repairing of shoulder washout, the maintaining and cleaning of culverts, catch basins and ditches to accomodate run-offs caused by freshets and snow removal or clearing from eight government buildings in the Charlottetown area.

Ice control on the Trans Canada Highway and on the main collector roads was maintained by the direct application of road salt. Approximately 483 kilometers having a two lane equivalent of 626 kilometers were maintained with road salt.

The total tonnage of salt acquired was 20,848.52 tonnes, a slight decrease from the 22,253 tonnes acquired in 1985-86.

The City of Charlottetown purchased 1,085.45 tonnes of salt from the Department. In 1985-86 the City purchased 925.2 tonnes.

The Department purchased 61,157.75 tonnes of blended winter sand, down 7% from the 65,866 tonnes purchased in 1985-86 because of the reserve material left from 1985-86. The blended material consisted of 6.5% salt, 20% crushed $\frac{1}{4}$ minus stone and 73.5% local sand. During the past year there were 37 sand piles located throughout the province.

Ice control in Queens county on the main 185 kilometers of highway that has a two lane equivalent of 249 kilometers was maintained by the direct application of road salt. Four single axle trucks and four tandem trucks of which three were equipped with plowing gear were utilized for this purpose. Ice control on the remaining approximately 1,625 kilometers of road was maintained by sand/salt mix obtained from 13 sand stockpiles throughout the County. Seventeen trucks manned by two labourers, two trucks equipped with a tow-behind spreader and eight trucks equipped with automatic spreaders were hired to carry out this activity. In addition, five department trucks were utilized to provide this service in the built-up areas near Charlottetown.

Ice control in Prince County on the main kilometers of highway, two-lane highway, was maintained by the direct application of road salt. Three tandem trucks equipped with plowing gear and two tandem trucks were utilized for this purpose. Ice control on the remaining approximately 1,400 kilometers was maintained by a sand/salt mix obtained from 13 sand stockpiles throughout the County. Sanding operations were carried out by seven trucks manned with two labourers each, three trucks with tow behind spreaders and five automatic spreaders. In addition, three department trucks were utilized to provide this service in the built-up areas, two for the Summerside area and one for the

Tignish area.

Ice control in Kings County on the main 103 kilometers of road, equivalent to 128 kilometers of two-lane highway, was maintained by the direct application of road salt. The remaining 1,100 kilometers was maintained by a sand/salt mix obtained from 12 stockpiles located throughout the County. Twenty-two sand trucks manned with two labourers each, two trucks equipped with tow behind spreaders and three trucks equipped with automatic spreaders were utilized in this operation.

Snow Removal

The total snowfall recorded for the 1986-87 seasons for Charlottetown and Summerside were as follows:

	Charlottetown		Summerside	
	Recorded (cm)	Normal (cm)	Recorded (cm)	Normal (cm)
November	22.8	21.6	33.7	17.0
December	41.3	72.8	28.5	60.4
January	93.6	76.8	146.6	66.7
February	77.9	65.8	61.2	55.9
March	59.3	61.6	68.4	54.9
April	11.6	27.3	1.6	24.0
TOTAL	306.5	325.9	340.0	278.9

In Charlottetown the heaviest snowfall occurred on January 11th, 19.8 cm; February 01, 30 cm; and March 16, 24.2 cm. In Summerside the heaviest snowfall occurred on December 09, 7.6 cm; Jan 11, 39.8 cm; February 10, 24 cm and March 02 and 16th, 18.4 cm.

The following is a breakdown of the contract areas of the second year of a three-year contract with the private contractors and a list of equipment used by each:

1986-1987 SNOW PLOW REPORT

Contractor	Kilometers	Contract Area	Graders	Loaders	Trucks	Blowers
Area 1						
Overland Const.	142.0	3rd & 4th Kings,				
		4th Queens	4	2	2	2
Kings Co. Const.	119.9	2nd, 3rd & 4th Kings	3	3	2	1
Kenny's Backhoeing	3.9	3rd Kings		1		
Total of Area 1	265.80		7	6	4	3

Contractor	Kilometers	Contract Area	Graders	Loaders	Trucks	Blowers
Area 2						
Island Coastal	96.9	1st & 2nd Queens	3	2	2	2
Island Excavators	141.1	1st Queens & 4th Prince	2	2	2	2
Maritime Const.	150.1	1st & 2nd Queens 4th Prince	4	3	3	2
Stabilizers Ltd.	159.7	3rd & 4th Queens 2nd & 3rd Kings	5	2		1
Dennis Const.	61.5	3rd Queens	2	1	1	2
Chapman Bros.	149.3	1st Kings	4	4	4	2
Cheverie Construction	3.85	1st Kings		1	1	
Total of Area 2	762.45		20	15	13	11
Area 3						
Northern Enterprises	142.	1st Prince	2	2	3	2
Ramsay's Washed Gravel	251.6	1st & 2nd Prince	4	6	3	3
Curran & Briggs	192.9	2nd & 3rd Prince	5	3		2
Comet Constr.	106.8	2nd & 3rd Prince	4	1		2
Westisle Const.	115.2	4th Prince	3	2		1
Toombs & Cobb	112.5	4th Prince	4	1	1	2
Montgomery Const.	134.8	1st Queens, 4th Prince	5	2	4	1
Matheson & MacMillan	153.5	2nd, 3rd & 5th Queens	3	3		1
Total of Area 3	1,209.30		30	20	11	14
GRAND TOTAL	2,237.55		57	41	28	28

The Department was responsible for plowing 2392.8 kilometers this year. To this end, 76 routes were established. The following equipment, including spare equipment, was assigned and located as follows:

Location	Kilometers	Graders	Walters Trucks	LeTourneau	Blowers	Loaders	Other Trucks
Prince County							
Christopher's Cross	28.4	1					
Harper Road	37.8					1	
Alma	32.1	1					
Alberton	28.8	1					
St. Louis	38.1				1	1	
Elmsdale					1		
Fortune Cove	34.5		1				
Poplar Grove	64.9	2					
Coleman	36.9	1					

Location	Kilometers	Graders	Walters Trucks	LeTourneau	Blowers	Loaders	Other Trucks
Abraham's Village	28.2	1					
Albany	31.6	1					
Summerside Garage	249.6	2	1		4	2	5
Summerside Garage (spares)		2	2				
Total Prince County	610.9	12	4	—	6	4	5
Queens County							
Canoe Cove	63.5	1				1	
Cornwall	25.6					1	
Stanley Bridge	24.0	1					
North Rustico	36.7					1	
South Rustico					1		
Hunter River	33.0						1
Hampshire	63.9	1				1	
Alexandria	28.7					1	
Earnscliffe	30.3	1					
Seal River	22.8			1			
Iona	48.2						1
Eldon	73.95	1	1				
Wood Isle	57.0						1
Belle River	43.3						1
Charlottetown Garage	311.86	5			5	5	5
Charlottetown Garage (spares)		3	3	2			
Total of Queens County	862.81	13	4	3	6	10	9
Kings County							
Murray River	90.0	1					1
Gurnsey Cove	34.4	1					
Alliston	33.8	1					
Kilmuir	41.0		1		1		
Gasperaux	31.8		1				
Murray Harbour NT	36.4	1					
Georgetown	48.9	1					1
Cardigan	20.9	1					
St. Georges	72.0	2					
Poplar Point	39.0	1					
Albion	33.3		1				
Little Pond	32.4	1			1		
Farmington	26.7	1					
Mt. Stewart					1		
Savage Harbour					1		
Head of Hillsboro	26.0			1			
Peakes	28.9	1					
Morell	89.1		1				1
Dundee	25.7	1					
St. Peters					1		
Forest Hill	29.3	1					
Goose River	29.3					1	
Cable Head	45.6		1				

Location	Kilometers	Graders	Walters Trucks	LeTourneau	Blowers	Graders	Other Trucks
Rollo Bay	28.1						1
Fortune					1		
Rockbarra	36.4	1					
East Point	40.1	1					
Total Kings County	919.1	16	5	1	6	1	4
GRAND TOTAL OF THREE COUNTIES	2,392.81	41	13	4	18	15	18

MECHANICAL BRANCH

This Branch is responsible for the acquisition and maintenance of vehicles and equipment used primarily in highway maintenance. As well, the maintenance of buses operated by Island Transit is carried out within this Branch.

The main repair depot is located in Charlottetown with a smaller repair depot located in St. Eleanors.

During the year our vehicle and equipment purchases included one 4X4 truck plow with a V plow, one way plow and wing attachments, one 1-ton truck (crew cab), one cargo van, one farm tractor with side and rear mower attachments and one crane attachment for bridge truck.

We disposed of nine pieces of older equipment and tendered 3 miscellaneous pieces of obsolete equipment.

The Director of Administration and Finance is responsible for the operation of the branch. The operational staff consists of two automotive shop supervisors, twelve foremen and seventy staff members.

PUBLIC WORKS DIVISION

The Public Works Division consists of the following sections:

- A. Design
- B. Construction
- C. Insurance & Leasing
- D. Energy Conservation
- E. Properties Surveys and Mapping
- F. Building Operation

A The object of the Design Section is to carry out or co-ordinate with consultants the complete design: including plans, specifications, tender documents and construction contracts for new buildings and renovations. During the year tender packages were prepared for:

- (1) O'Leary Liquor Store Site Preparation
- (2) O'Leary Liquor Store
- (3) Youth Centre Summerside
- (4) Wellington Liquor Store
- (5) Reroofing - Dundas Elementary School, Evangeline Consolidated School, Ellerslie Elementary School
- (6) Western Hospital Chimney replacement & Medical Gas System
- (7) Provincial Dairy Laboratory Relocation

B The Construction Section is responsible for inspecting and supervising the construction of new buildings and renovations to ensure that the contracts are completed according to plans, specifications and budget allocations.

The Construction Section provided contract supervision for a number of projects during the year. Projects completed this year were:

1. Morell High School Addition & Renovations
2. Beach Grove Manor Replacement
3. Site Preparation O'Leary Liquor Store
4. Reroofing - Dundas Elementary School, Evangeline Consolidated School and Ellerslie Elementary School

C Insurance and Leasing Section consists of one employee (Risk Manager) whose general responsibilities are:

- (1) Leasehold agreements for government office space.
- (2) Cleaning contracts for leased accommodations.
- (3) Administration of government insurance program less comprehensive general liability which is administered by Treasury Board effective January 1987.

Leases for government office space in private sector buildings are maintained throughout the province. The following changes occurred during fiscal year 1986/87:

Leases expired

Evangeline Health Centre - Regional Services Centre Wellington
White Star Laundry - Premier's Summerside Office
Consolidated Credit Union - Land Valuation & Assessment Division

Leases entered into:

Baie Acadienne Industrial Commission - Regional Services Centre Urbainville
Fairweather Holdings Inc. - Royal Commission on the Potato Industry
Canada Cement Lafarge Ltd. - Potato handling equipment disinfecting/inspection facility - Albany
Summerside Waterfront Development Corp. - Land Valuation's Assessment Division

Cleaning services contracts for cleaning not included in the rental agreement totalled six. These contracts specify a three day a week service.

Government Insurance program policies were in effect for:

- (1) All-Risk Property including Contractor's Equipment
- (2) Boiler and Machinery
- (3) Government Automobile Fleet

- (4) Accident Indemnity (RCMP Auxiliary)
- (5) Robbery, hold-up and employee surety bond.

The schedule of property insured is revised as changes occur. The total insurable value at the end of the fiscal year was estimated at \$197,246,380.00 including 90% building replacement at \$177,521,742.00, 100% contents at \$12,209,000.00 and replacement cost of contractor's equipment at \$20,388,950.00

- D** The Energy Conservation Section was set up in the Division in September 1984 as a two year pilot project. A system of recording and monitoring energy consumption in government owned and operated buildings was initiated and usage was compared to historical energy data. Buildings are monitored monthly and necessary adjustments made.

A base year for energy use was established and yearly use is monitored in relation to this base. Energy use for fiscal year 1985-86 showed an over-all reduction of 5¼% below base year and for 1986-87 the use of oil was reduced 18¼% below base year and electricity was 5¼% below base year.

The energy conservation pilot project has been extended for a further two year term.

- E** Properties Mapping and Surveys Section is comprised of Crown Properties (Public Roads and Public Rights-of-Way), Property Mapping and Land Surveys.

The Crown Properties Section is responsible for the acquisition, disposal and leasing of land for all Departments of Government, including negotiations to purchase land necessary for road construction projects. It is also responsible for carrying out abstracts of title, noting and clearing registered incumbrances against properties to be purchased and/or to be disposed of as well as the preparation and execution of legal documents required for various real property transactions. It is also responsible for the acceptance of streets within approved subdivisions, payment for same and the acquisition of tap drains and easements that may be required within the approved subdivisions.

This section negotiates satisfactory settlements for crop, lawn, shrubs, fences and tree damages (with private land owners) which result from road construction projects. This section researches and establishes the status of rights-of-way within the province. This section administers, maintains and updates a comprehensive inventory of all Crown Land, it investigates - all claims of adverse possession under the Quieting of Titles Act and Land Tax Sales under the Real Property Tax Act; it certifies affidavits of transfer on behalf of the Government; it administers Oath of Witness to prove the due execution of legal documents, it is responsible for the Land Tax

Ledger.

The Crown Properties (Public Roads/Public Rights-of-Way) section was involved in the purchase of forty-five (45) properties for road construction projects. The purchase of land, the acquisition of land for easements, tap drains and snow trapping and payments for severance for road construction projects amounted to \$167,623.81. This section also purchased three (3) other properties for government; Tyne Valley (Young Offenders Site) - \$10,000; Brookvale - 44 acres (addition to ski park) - \$13,200.00 and Spry Point (ARK Property) - \$150,000.00.

This section also conveyed portions of old roadway back to adjoining property owners: There were seventeen (17) of such transfers made during the year. This section also accepted 3,455.97 meters (3.46 kilometers) of new rights-of-way as a result of road construction within approved subdivisions. Properties leased and rented for department purposes totalled \$8,813.00. Revenue received for lease/rental of Crown Land totalled \$81,578.00. Property tax payments amounted to \$17,430.73.

The Properties, Mapping and Surveys Section wish to acknowledge the co-operation of the various Provincial and Federal Departments, Crown Agencies, private enterprise and the general public with whom the staff were involved.

The Mapping Section's purpose and responsibility is to compile and maintain current computerized information files on all properties located on P.E.I. currently numbering 69,349 listed both numerically and alphabetically; compile and maintain a series of current property ownership maps at various scales to cover all of P.E.I.; maintain a Map Library which sells copies of property maps, National Topographic Series maps and other maps, and provides a custom whiteprint paper reproduction service; assist and give advice on all land matters received from the private enterprise, general public and departments of government. During the year, the Mapping Section handled 25,428 registry documents parcel indexed, 1,453 new properties created, 4,534 property map changes and 420 survey plans mapped and filed. Revenue received by the Map Library through the sale of maps for the year ending March 31, 1987, totalled \$42,192.61. No charge sales for maps supplied to Land Valuation and Assessment were: Summerside - \$1,983.50, Charlottetown - \$15,431.50 and to Properties and Surveys Division - \$9,791.50 for a total of \$27,206.50.

The Survey Section includes one P.E.I. Land Surveyor, two technicians doing computations, one draftsman and two full time field crews consisting of one technician and one casual per crew.

The survey work is confined to properties in possession of or being acquired by the Government, such as acquisitions for tourist information centres, schools, highway diversion, etc.

Survey work by the Surveys Section is also carried out to establish highway right-of-way boundaries, township lines, tap drains and any other work where a Government Department might require the services of a Land Surveyor.

Some of the major surveys worked on during 1986 included the Lot 16/17 line, right-of-way boundaries on the Streets of Victoria, Charlottetown By-Pass, Brookvale (land for ski park extension), Grafton Street East (new alignment at intersection of Riverside Drive) and Young Offenders sites at Tyne Valley, Georgetown and Summerside.

The Surveys Section continued to work with the Highways Section by assisting the crews on some larger construction projects as well as working with the crews to improve their standards of accuracy and knowledge of survey procedures.

Seminars are planned for 1987 to provide the Department of Highways crews an opportunity to become more familiar with modern survey equipment and methodology.

The maintenance of the P.E.I. Grid Monuments is the responsibility of the Surveys Section as well as the location and establishment of the township boundaries.

Plans are underway to improve the computations capability of the Survey Section by the addition of new computer equipment and hopefully by the addition of at least one survey calculations technician.

- F** The Operations and Maintenance Section is responsible for the operations and maintenance of some 70 Government owned buildings located across the Province. A number of rental buildings are maintained with monies budgeted by the Leasing Section. This section is also responsible for the accommodation requirements of Government, telephone systems, buildings security, storage and re-allocation of surplus furniture and oversees the operation of the Cater-Plan cafeteria in the P.A.B.

The Operations and Maintenance Section is divided into three areas or regions with a maintenance supervisor and supporting staff as required stationed in each region. Accommodations, telephones, security, etc. are managed from the Central Office in Charlottetown.

Some of the major projects accomplished in fiscal year 1986/87 include:

EASTERN REGION:

1. Kings Co. Courthouse and Jail -

The jail section of this building was completely renovated to accommodate a Youth Centre for Young Offenders.

2. Brudenell Resort:

The installation of ceilings, insulation and fans was completed in the remaining 15 motel units.

Repairs carried out on kitchen floor and pro shop roof. Many other maintenance items as required.

3. Wood Islands Scale House:

A new concrete access ramp leading to the scales was constructed. This new ramp will accommodate longer and larger trailers; hence, ensure a more accurate weighing procedure.

4. Highways Depot - Bridgetown:

This building was renovated making provision for two new office areas and storage areas. The heating system was also revamped and should provide a more comfortable as well as more efficient operation.

5. Eastern Kings Services Centre:

A program of replacing carpeting in this building was started. Approximately one-half the building was completed this fiscal year.

CENTRAL REGION

1. Hillsborough Hospital and Special Care -

All fire hydrants checked and upgraded. Roadway from north entrance re-worked and paved. Work completed on Maintenance Building and now ready for occupancy.

2. Dr. Found Health Centre -

Section of basement renovated to accommodate Home Care and Support Offices. New roof installed west wing (kitchen area). Preliminary study begun on renovations to kitchen and dining areas.

3. Beach Grove Home for Special Care -

New Complex occupied August 1986. Various minor items and problems associated with a new building were encountered and remedied.

4. Shaw - Sullivan Buildings -

Alarm systems in this complex were re-worked and now terminate at Commissionaires booth. New Commissionaires booth constructed at entrance to underground parking, this will provide better control on entering and exiting the parking garage. Ongoing program of carpet replacement with approximately 2000 sq. yds. replaced this year. Major repairs on exterior of Shaw basement walls started, these walls have been

leaking for some years. Approximately 50 windows were replaced in Shaw-Sullivan Buildings, the new windows are better quality and should provide for more comfortable surroundings as well as provide ventilation during cooling season.

5. Jones Building -

Flashing on roof repaired/replaced. Preliminary work done on re-balancing the heating-ventilation system in this building. Since the building was constructed in 1972 many office partitions have been added and some imbalance in air flow has apparently occurred. It is our intention to have the system overhauled in next fiscal year. (87/88)

6. Province House Annex -

Renovations/restoration of 1st. floor on schedule and will be completed fiscal year 87/88. Second and third floors will be started fiscal year 88/89.

7. Government House -

The garage was raised onto a new foundation and the building was completely renovated thus providing a much more habitable work area for maintenance staff and better parking area for the official car. Grounds are continually being upgraded with extra rose beds being installed this fiscal year.

8. Visitor Information Centre - Brackley -

Complete repainting of exterior. Upgrading of landscaping.

WESTERN REGION

1. Prince County Courthouse & Jail -

This building is being continuously upgraded. New locks were installed in jail area thus providing the staff with one key instead of five or six required previously. New windows installed replacing old outdated ones. These new windows provide security but also ventilation for the jail area. New floor covering installed 1st floor (jail section). Chimney badly deteriorated and was repaired. New sign installed on Central St. side. This in keeping with the quest of providing consistent signage for government buildings. Finally, a new exhaust fan was installed to provide ventilation for the Supreme Court Room on 2nd floor.

2. Visitor Information Centre - Borden

Two new windows installed to provide required ventilation for this area. Main lobby and washrooms painted and new carpet installed.

3. Health Centre Summerside -

Much work done on landscaping 25 maple trees planted along with a number of flowering shrubs. Work also done to create storage areas in this building.

4. West Prince Regional Services Centre -

Interior painting and papering of hallways as well as lot lines on parking lot completed.

5. Veterinary Clinic - O'Leary

Interior painted, new floor covering installed in front lobby area. Freezer room upgraded to provide more efficient operation.

6. Alberton Court House -

Office area remodelled to better accommodate staff and provide better service to general public.

7. Forestry Depot - Wellington

Two new windows installed in entries to provide more ventilation also two new offices established in basement area to accommodate an increase in Forestry staff.

ACCOMMODATIONS:

Responsibilities in this area include:

- (a) Assignment of office space in government owned and leased buildings;
- (b) Telephone co-ordination and liaison between government departments and Island Telephone;
- (c) Control over inventory of surplus equipment and furnishings.

Some of the accommodation changes were:

Relocation of Dept. of Labour from 5th floor Sullivan to 3 Queen Street. This resulted in a relocation of some Community and Cultural Affairs staff from 3 Queen Street to 3rd Floor, 11 Kent Street.

Crown Prosecutor Offices relocated from Davies Law Courts to 2nd Floor of the Customs House. This move freed up space in the Court House which was subsequently renovated to better accommodate public defender, family court, etc.

Home Care and Support relocated from 3rd Floor Sullivan and 2nd Floor MacMillan to new offices renovated in basement Dr. Eric Fould Building.

With the Department of Labour from 4th and 5th Floors Sullivan we consolidated Dept. of Fisheries onto 5th Floor Sullivan and provided space for consolidating Computer Services on 4th Floor Sullivan.

The implementation of the new Centralized Business System was started with the following departments having been switched this fiscal year: Civil Service Commission, Treasury Board, Executive Council, Policy Board,

Premier's Office, Energy & Forestry, Island Information Service, Industry, Tourism, and Education.

This is an ongoing process and by the end of fiscal year 88/89 we hope to have all government departments in Charlottetown area converted to the new system.

SCHEDULE OF BUILDINGS

Charlottetown and Vicinity:

- Sullivan Building
- Shaw Building
- Province House
- Province House Annex
- Beach Grove Home for Special Care
- Highways Garage
- Highways Lab Building
- Government House and Garage
- Dr. Found Health Centre and Mona Wilson Centre
- Hurry Road Forestry Complex
- Belmont Street Warehouse
- Coles Building
- Highways Paint Shop
- Sleepy Hollow Correctional Centre
- Queen's County Forestry Offices - Beach Grove
- Bunbury Nursery Complex
- Brackley Visitor Information Centre
- MacMillan Building
- Prince Edward Home
- Customs House
- Sherwood Home

Hillsborough Hospital:

- Hillsborough General Hospital
- Laundry and Recreation Hall
- Nurses Home
- Superintendent's Residence and Garage
- Doctor's Residence
- Occupational Therapy Building
- Greenhouse
- Stores and Work Shop Building

Summerside Area:

- Highways Garage
- Prince County Courthouse and Jail

Dept. of Public Works Office
Summerside Health Centre and Storage Garage

Others:

Grain Elevator, New Annan
Courthouse and Jail, Georgetown
Kings By-Way, Pooles Corner
Scale House, Borden
Visitor Information Centre, Wood Islands
Brudenell
Brudenell Recreation Complex
Scale House, Wood Islands
West Prince Regional Service Centre
Southern Kings & Queens Service Centre
O'Leary Veterinary Clinic
Grain Elevator, Roseneath
Grain Elevator, Elmsdale
Prince County Forestry Depot
Southern Kings Highway Depot
Kings County Forestry Depot
Alberton Courthouse
Lady Slipper Visitor Information Centre
Fisheries Museum, Basin Head
Museum, Orwell Corner

BUILDING DIVISION TENDERS

Kensington High School

Opened March 26, 1987

General

Schurman Construction Ltd. (awarded)	\$4,197,000
Williams, Murphy & MacLeod (1971) Ltd.	4,344,000
Fitzgerald & Snow Ltd.	4,390,000
Boyd & Garland Construction Ltd.	4,415,000

Mechanical

D.B. & J. Ltd. (awarded)	\$ 968,000
Bevan Bros. Limited	1,015,000
Inman Plumbing & Heating Ltd.	1,017,443
MacIntyre Sheet Metal Ltd.	1,077,000

Electrical

Univex Maritime Ltd. (awarded)	\$ 515,000
Delta Electric Ltd.	523,000

Electrical & Refrigeration Services Ltd.	554,000
Hansen Electric Ltd.	575,000
Inman Plumbing & Heating Ltd.	617,663

O'Leary Liquor Store Site Preparation

Opened November 14, 1986

Northern Enterprises Ltd. (awarded)	9,845.00
H.I. Construction Ltd.	10,632.80
Curran & Briggs Ltd.	14,783.54

ADMINISTRATION AND FINANCE DIVISION

The Administration and Financial Division is responsible for the financial and personnel services of the Department. This includes the preparations of the annual budget, budget control, departmental accounting, purchasing, inventory control, payroll and other related administrative support functions.

The division consists of the Director, four accounting support staff, three personnel support staff and a receptionist.

AUDIO VISUAL SERVICES CENTRE

Audio Visual supplies audio and video services to all Government departments, agencies, commissions and crown corporations; and is responsible for maintenance of all government, school board and Holland College audio visual equipment. Services include production, graphics and short term loan of equipment.

A computerized master inventory of all audio visual equipment owned by government is controlled by the centre. All new purchases are approved by Audio Visual and the process is aimed at ensuring that government departments obtain the best and most effective equipment for their specific needs. At the same time, Audio Visual can advise on duplication within departments and standardization of equipment to ensure repairability (i.e. availability of parts.)

Statistics for year ending March 1987:

Total Short term equipment loans	1,600
School preventative maintenance & Holland College	2,153
School Unit equipment delivered for repair	680
Holland College equipment delivered for repair	111
Government equipment delivered for repair	480

There were 80 service calls made to schools, government offices, etc. which were made for a total of 320 man hours of work. The "on call"

maintenance service for the court recording systems required approximately 25 visits by service personnel during the year. The Legislative recording system has continued to operate excellently.

The graphics sector completed 313 projects for all government departments. Among the major ones were a full colour brochure for Parks, Japan layout for Tourism, 40 page booklet for Nursing, Nursing Calendar, 30 slide shows for Agriculture, 4 major cover designs for Executive Council, 4 smaller slide shows for Health, Industry, Health & Safety and Education.

The production sector was responsible for the following:

Video Productions	40
Video Workshops	6
Film & Edit Sessions	127
Audio Tracks & Promos	53
Slide Shows	18

There has been a steady increase in request for conference taping with the increase in Legislative Committee Meetings, Land Use Appeals, Classification Appeals and information meetings held Island wide. i.e. Social Services, Education.

Audio Visual Familiarization courses were conducted for Civil Service.

We received eighty-six requests from across Canada for dubs of major productions that we have produced from Health & Social Services. Five of these videos were aired nationally on CBC Television.

We produced nine major videos for different government departments.

POSTAL SERVICES

Postal Service is responsible for all government mail including couriers to government buildings in Charlottetown and the four regional service centres. The objective of the section is to provide an efficient service taking full advantage of all options.

You will note an increase of \$50,000.00 in total postage used. This is attributed to:

1. Travel Bureau up by	\$15,000.00
2. Health & S.S. up by	16,000.00
3. Trans. & P.W. up by	5,000.00
4. Hwy. Safety up by	10,000.00
5. Agriculture	4,000.00

Our savings as a result of incentive rates was \$10,673.37

Postage on all classes of mail increased on April 1, 1987. This will of course increase our postage used for fiscal year 1987-88.

INCOMING MAIL

From Regional Services Centre, Etc.....	20,000
Charlottetown post office	892,000
Inter-Departmental	470,000
TOTAL	1,382,000

OUTGOING MAIL

Metered, sorted & dispatched	1,031,441
Postage paid in cash	212,758
Regional Services Centres, etc.	25,000
Brunswick Brokers.....	9,770
TOTAL	1,278,969

CERTIFIED KITS

On hand (31/3/86)	1,000
Purchased	15,000
Issued	11,175
On hand (31/3/87)	4,825

SHORTPAID MAIL

Credit (31/3/86).....	1546.55
Paid	679.17
Credit (31/3/87).....	867.38

P.P.I.C.#2005

Credit (31/3/86).....	24,886.66
Advance deposits	145,000.00
Paid (T.B.)	142,375.65
(Royal Gazette).....	11,740.85
(Tax)	10,715.95
Credit (31/3/87).....	3,054.21

P.P.I.C. - AGR. #5201

Credit (31/3/86).....	2,047.15
Advance Deposit	5,000.00
Paid	4,837.74
Credit(31/3/87)	2,209.41
Postage in meters(31/3/86)	17,131.70
Meter postage purchased	449,000.00
Credit (spoiled meter impressions)	604.70
TOTAL	466,736.40

Meter Postage actually used	444,910.60
Postage in meters (31/3/87)	21,825.80
TOTAL	466,736.40
Postage recovered	14,328.49
Revenue mass mailing	573.43
TOTAL	14,901.92

MASS MAILING

Decollator	2,514,225
Detacher	1,654,790
Folder	730,225
Insertor	562,858
Embosser	572
Addresser	125,449
TOTAL	5,588,119

TOTAL POSTAGE USED 1/4/86 to 31/3/87

Dept.	Meter	P.P.I.C.	P.D.	Cert.	Brn. Brok.	Total	%
Finance & Tourism	12,385.46		132.92	448.00		12,966.38	2.1
Travel Bureau	20,090.86		25.22	1214.08		174,641.97	27.4
Tax	44,993.12	142,375.65	11.09	3824.80	10,936.16	59,544.96	9.4
Accounting	40,843.94	10,715.95	6.49	1500.80		42,347.32	6.7
Health & S.S.	81,473.28		19.63	2.24		81,499.06	12.8
Trans. & P.W.	28,677.94	11,740.85	5.49			40,423.03	6.3
Hwy. Safety	40,307.94		22.44	3640.00		43,408.58	6.8
Education	42,062.12		15.69	12.32		42,088.09	6.6
Agriculture	25,252.46		34.18			30,129.17	4.7
Comm. & Cul. Aff.	23,523.54	4,837.74	6.15	235.20		23,765.19	3.7
Hospital Serv.	16,530.69		.89			16,531.58	2.6
Energy & Forestry	5,961.07		2.45			5,963.52	.9
Fisheries	8,443.45		3.03	66.08		8,512.56	1.3
Justice, Labour	17,525.56		28.98	1012.48		18,548.13	2.9
Civil Service	5,834.60		2.89			5,837.49	.9
Premier	8,320.51		11.76			8,332.27	1.3
Industry	8,355.57		349.28			8,704.85	1.4
Sport P.E.I.	11,539.27		.59			11,539.86	1.3
Other	2,789.22					2,789.22	.4
	444,910.60	169,670.19	679.17	11,956.00	10,936.16	637,573.23	100%

ISLAND INFORMATION SERVICE

The purpose of Island Information Service is to help provincial government departments, agencies, corporations, and commissions prepare and distribute information regarding their programs, services and other activities of interest to the public.

The media form the main channel for information from government to the people. IIS supplies a newswire service to the following Island news outlets: CBC, ATV, CFCY, CHTN, CJRW, the Guardian and Patriot, and the Journal-Pioneer. Press releases relating to government as well as notes to media concerning special government related events are distributed over this service. The same information is mailed to other media and interested parties. IIS distributed 1,420 releases between April 1, 1986 and March 31, 1987.

Photographic services, including a photo lab, are available to provincial government through IIS. Last year there were 1,485 photography assignments. These assignments included promotional photography for marketing Island products, press photography, slide presentations and slide duplication.

The PEI government telex machine (Siemens T1000S) and telecopier machine (Xerox 295 automatic) are run by IIS. During the past year our operators handled 10,477 incoming and outgoing messages over these machines.

Island Information Service is also responsible for answering mail inquiries, phone inquiries, and requests from walk-in clients, about Prince Edward Island and its government. Over 5,000 requests are answered by mail during the year.

At its location in the basement of the Jones Building, 11 Kent Street, IIS continues to stock all provincial acts and regulations and many other government publications. During the year total sales from government publications amounted to \$6,549.71.

IIS supplies a limited French to English and English to French translation service for government. Last year over 150 translation assignments were completed.

Updates are provided by IIS for Prince Edward Island entries in various encyclopedias, almanacs, yearbooks and directories. IIS also prepares the Provincial Government Section of the PEI Telephone Directory. IIS publishes the Government Services Directory, the Quick Reference Guide, the Provincial Government Monthly Publications Checklist, Notes on PEI and a Directory of Island Organizations, Clubs and Associations.

In December 1983, Island Inquiries were established as part of IIS. Island

Inquiries is a bilingual telephone information and referral service dealing with programs and services offered by the federal government and provincial government.

PRINTING

The Printing Section provides the following services:

1. A printing service for government departments, boards and commissions.
2. A volume copying service for government departments, boards and commissions.
3. A Xerographic copying service for the three-building administrative complex.
4. The publications, distribution and sale of:

The Royal Gazette
The Revised Statutes of Prince Edward Island
The Annual Statutes of Prince Edward Island
The Legislative Journal of Prince Edward Island
The Revised Regulations of Prince Edward Island

Receipts from advertising in the Royal Gazette and the sale of publications totalled \$79,010. This compares with previous years as follows:

1982-83 - \$60,186
1983-84 - \$56,767
1984-85 - \$58,636
1985-86 - \$54,524
1986-87 - \$79,010

During the fiscal year 1986-87 the presses produced 2742 separate printing orders, representing a total of 8,877,100 sheets through the three job presses, an increase of 12.5%. This figure compares with the previous years as follows:

	Orders	Impressions
1982-83	2,145	7,824,098
1983-84	2,625	7,554,794
1984-85	2,709	8,965,478
1985-86	2,442	7,873,281
1986-87	2,742	8,877,100

In addition, a volume copying service is provided comprised of two Xerox 9400 copiers which were traded in December for two 9500 copiers and one 1090 copier.

Copying orders for this section totalled 3310 as compared to 3236 in 1985/86. Total production was 9,083,836, an increase of 25% due to greater demand on system. Comparison to previous years is as follows:

	Orders	Impressions
1982-83	2,495	6,383,954
1983-84	3,558	7,848,248
1984-85	3,221	7,747,984
1985-86	3,236	7,917,587
1986-87	3,310	9,083,836

The convenience copying service for the three-building administrative complex implemented in June, 1975 constitutes 23 machines currently. Production for the fiscal year was 2,925,338 copies, representing a decrease of 8% over 1985-86. By pooling the productions of 23 machines, the lowest cost per copy is attained. The current cost is 4.6¢ per copy including paper as compared to 4.7¢ from 1985-86. Comparison with previous years is as follows:

	Impressions	Cost/Copy (Incl. paper)
1982-83	2,940,152	4.90
1983-84	3,313,755	4.50
1984-85	2,953,957	4.90
1985-86	3,185,468	4.76
1986-87	2,925,338	4.60

Cost of paper is 0.50¢ as compared to 0.50¢ in 1985-86.

Distribution of Impressions:

	Presses	Volume Copies
Agriculture	804,297	1,309,549
Community & Cultural Affairs	534,180	580,814
Education	617,070	1,830,563
Energy & Forestry	131,710	193,282
Finance	525,540	902,551
Fisheries	443,470	279,596
Health & Social Services	1,426,263	956,677
Industry	152,889	448,494
Justice	595,887	556,713
Tourism & Parks	248,361	387,405
Labour	71,955	100,250
Transportation & Public Works	2,172,746	377,318
Cabinet Office	91,265	95,519
Civil Service Commission	560,150	188,503
Housing Authority	13,500	20,669
Executive Council/ Legislative Assembly	286,050	77,007
Sport, P.E.I.		160,260
Miscellaneous	89,650	150,000
	8,877,100	8,615,170

Total number of copies for presses and volume copiers equals 17,492,270, an increase of 7%.

Distribution of Convenience Copiers:

1. Premier's Office	30,000
2. Executive Council	136,869
3. Justice	180,000
4. Education	248,632
5. Treasury Board	210,000
6. Tourism	99,545
7. Accounting	43,304
8. Land Valuation & Assessment	76,061
9. Civil Service Commission	90,000
10. Agriculture (2 machines)	360,000
11. Computer Services	62,351
12. Community & Cultural Affairs	240,000
13. Transportation & Public Works (2 machines)	187,490
14. Health & Social Services - 17 Haviland St.	130,003
15. Highway Safety	60,003
16. Health & Social Services - (2 machines) Sullivan Bldg.	358,251
17. Fisheries & Labour	90,000
18. Island Information Services	111,283
19. Industry - (2 machines)	211,506
TOTAL	2,925,298

In summary, the number of press impressions is up. This is mostly due to a greater demand for services.

TRANSPORTATION STATISTICS

Air

Air Passenger

	1986			1985		
	To PEI	From PEI	Totals	To PEI	From PEI	Totals
Air Canada	27,751	31,531	59,282	29,242	33,390	62,632
Cdn Intl. Air				47,918	45,181	93,099

**Air Freight & Air Mail (Lbs)
Cargo**

	1986		1985	
	To PEI	From PEI	To PEI	From PEI
Air Canada	284,576	1,149,097	211,200	654,173
Cdn Intl Air			325,000	720,000

		Mail			
		1986		1985	
	To PEI	From PEI		To PEI	From PEI
Air Canada	473,239	8,580		510,419	37,250
Cdn Intl Air				242,000	281,000

Bus

ISLAND TRANSIT

	1986	1985
Charlottetown/Tignish	8,790	9,817
Charlottetown/Souris		
(June 2-Oct 13)	779	859 (June 4-Sept. 30)
Charlottetown/New Glasgow		
(June 2-Oct 13)	3,446	3,357

VIA RAIL

	1986	1985
From PEI to Mainland	16,300	19,235
From Mainland to PEI	16,900	18,817

FERRY

Borden-Cape Tormentine Ferry Service

The following are the 1986 traffic statistics for Marine Atlantic Prince Edward Island - New Brunswick service, with 1985 comparisons:

	Autos	Trailers Campers	Trucks	Tractor Trailers	Buses	Rail Cars	Passengers
1986	513,665	30,400	81,474	92,485	4,007	5,681	1,661,873
1985	494,697	30,514	76,604	90,346	3,816	8,714	1,614,950
% Change	3.8%	-0.4%	6%	2.4%	5%	-35%	3%

Wood Islands - Caribou Service

The following are the 1986 traffic statistics for the Prince Edward Island - Nova Scotia service operated by Northumberland Ferries Ltd. with 1985 comparisons.

	Autos	Rec. Vehicles	Trucks	Buses	Passengers
Apr 29 - Dec 10/86	156,350	14,401	15,062	1,404	530,095
Apr 26 - Dec 9/85	153,294	14,725	15,105	1,384	527,108
% Change	2%	-2%	-0.3%	1.4%	0.6%

Souris-Grindstone Service

The following are the 1986 traffic statistics for the Prince Edward Island-Magdalen Island service operated by CTMA with 1985 comparisons:

	Autos	Trailers	Van/Buses Trucks	M/cycle Bicycles	Heavy Mach.	Passengers
1986	13,727	2,089	3,969	1,487	18	52,040
1985	11,728	1,881	4,103	1,667	24	45,442
% Change	17%	11%	-3%	-11%	-25%	15%

RAIL

Freight in Carloads

The following are the 1986 statistics for interprovincial rail freight in carloads, with 1985 comparisons:

	To PEI	From PEI	Total
1986	2,573	412	2,985
1985	2,736	1,708	4,444
% Change	-6%	-76%	-33%

Freight in Tons

The following are the 1986 statistics for interprovincial freight in tons, with 1985 comparisons:

	To PEI	From PEI	Total
1986			173,237
1985	163,983	70,474	234,454
% Change			-26%

WATER

Tons (Metric)

The following are the statistics for 1986 waterborne freight for the four principal ports, with 1985 comparisons:

	1986		1985	
	Loaded	Unloaded	Loaded	Unloaded
Charlottetown	22,227	398,177	25,961	447,091
Georgetown		10,293	n/a	n/a
Souris	1,798	12,178	184	19,088
Summerside	62,322	78,584	4,430	93,274
Other		59,076	n/a	n/a
Totals	86,347	558,308	30,575	559,453

VESSELS

	Arrivals		Departures		Totals	
	1986	1985	1986	1985	1986	1985
Charlottetown	157	227	156	226	313	453
Georgetown	6		3		9	
Souris	15	12	15	12	30	24
Summerside	86	98	86	98	172	196
PEI	68	39	69	39	137	78

HIGHWAY SAFETY DIVISION

01 April 1986 - 31 March 1987

The Highway Safety Division operated branches at Alberton, Souris, Montague, Summerside, and headquarters in Charlottetown providing the general administration, safety programs and registration functions.

The Division's overall objective is to promote safe conditions for highway users, provide registration for vehicles and drivers and to support the Minister of Transportation and Public Works in the administration of the Highway Traffic Act and the Off-Highway Vehicle Act, the Roads Act, and the Transportation of Dangerous Goods Act.

During the year, the program for year-round registration was initiated with approximately 70% of the vehicles registered by March 31 using the new system. With the change is an end to the historic February and March long lineups to register vehicles. The registration fee for passenger cars and light trucks was changed to a single annual fee of \$36.00 and categories for commercial vehicles was reduced from 100 to 39.

Legislation was prepared and placed before the Legislative Assembly to provide mandatory seatbelt use. The Alberton and Souris offices were equipped with computer terminals and printers as well improvements were made to the other three offices.

The Division and police agencies continued to cooperate in conducting the Driver Beware Campaign. In this program, stop checks of vehicles were made on particular evenings to make drivers aware that they should not drink and drive.

The Division continued participation in studies and initiated steps to simplify intra and inter trucking registrations with other Canadian jurisdiction movement to simplify regulations and administration for the trucking industry.

Steps have been taken to participate in the issuance of a single Cab Card which will be valid in all Canadian jurisdictions in which the vehicle is registered.

A National Committee was formed to develop a National Safety Code to

supplement highway safety of commercial vehicles. The Federal Government is proceeding with the deregulation of the truck and bus industry with safety as the major factor governing motor carrier authority rather than economic regulation.

SAFETY SECTION

Activity in the driving theatre was divided into two categories:

- (1) the driver; and
- (2) the vehicle

In each of these categories the measures designed to counter highway collisions were separated into education and enforcement techniques primarily directed to highway users, followed by engineering developments directed to safety improvements of the vehicle.

Countermeasures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. In consequence, the countermeasure strategy was to increase the driver's knowledge of highway laws and safe driving practices by creating a general awareness through the public news media; in testing new drivers; licensing control over newly licensed drivers, and correction of unsafe practices among other drivers.

The Safety Section plans and co-ordinates the following Programs:

- (1) Promotion of Highway Safety
- (2) Driver Improvement
- (3) Motor Vehicle Inspection

Promotion of Highway Safety

(a) Driver Testing

The basic objective of driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the Highway Traffic Act, Regulations, and Departmental policy. To obtain a drivers license, an applicant needs the necessary knowledge, skill, physical and mental ability to safely operate a motor vehicle. The driver examiner tests all drivers requiring an initial license and those requiring a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening, and an actual road test.

In 1986 the driver testing section conducted 4268 written and oral knowledge tests, with a failure rate of 22%. Road tests were administered to 4668 applicants, with a failure rate of 42%. The total number of oral, written

and driving tests administered in the five regional offices in Charlottetown, Summerside, Alberton, Souris and Montague was 8936.

To promote correct driving habits, the Division encouraged young drivers to become involved in a Driver Education Program. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit when they are 15½ years of age. The applicant must produce a letter from the Driver Education Instructor stating that they are enrolled in the Course. Although the applicant can receive their Instruction Permit when they are 15½, they still have to wait at least 30 days after their 16th birthday before going for a road test.

The private sector has schools operating in Prince, Queens and Kings Counties. A twenty-five hour in-classroom Driver Education Program was conducted at Three Oaks High School, Bluefield High School, Morell High School, Colonel Gray High School, Charlottetown Rural, and Young Drivers of Canada in Charlottetown.

The Driver Education Course is designed to help new drivers develop good driving habits and to obtain a driver's license. The 15½ year old Program allowed young drivers more exposure to behind the wheel training.

(b) Media Program

This Section provides safety information to the driving public in all areas of highway driving. Each year the Safety Division uses newspaper, radio and television to deliver messages promoting bicycle safety, rules of the road, pedestrian safety, winter driving, and seat-belt use. Impaired drivers are a continual problem on the highways and a constant campaign is conducted to encourage people not to drive after they have been drinking.

c) Accident Reporting System

Computer records are kept on all reported motor vehicle accidents. During 1986 it is estimated that 903 million kilometers were driven by motor vehicles on Prince Edward Island. There were 3296 collisions resulting in 813 injuries and 29 fatalities. The twenty-nine fatalities includes 13 drivers, 11 passengers, 3 pedestrians and 2 cyclists.

Driver Improvement

The primary function of the Driver Improvement Section is to identify the problem drivers (by their driving record) and to induce them to change their driving habits and attitudes, thereby reducing fatalities, injuries, and property damage.

a) Defensive Driving Courses

Courses on safe driving habits have been developed by the Canada Safety Council with the co-operation of the Provincial Government. Attendance at these courses is voluntary and those who successfully complete the course are given a bonus of 3 points which can be used as a credit in the Demerit Point System. Besides the attraction of 3 demerit points, the Defensive Driving Course develops safer drivers for Prince Edward Island Highways.

In 1986, there were 31 Defensive Driving Courses offered in the Province with 581 students participating and 533 successfully completing the Course.

b) Driver Improvement Courses

When a driver accumulates six or more demerit points, a letter is issued advising of the consequences which could result from further demerit points. If a driver accumulates nine or more demerit points, the driver is required to attend a Driver Improvement interview in which the driver is assisted in achieving an awareness of the driving problem and developing a solution to that problem. After a driver accumulates 12 or more demerit points, the license is suspended for a period of three months. To have suspended licenses reinstated, drivers must attend a reinstatement interview and it is a mandatory condition of the reinstatement of licenses that drivers attend a Driver Improvement Course within six months of having their license returned. If a driver fails to attend the required Course, the license may be further suspended.

In 1986, four Driver Improvement Courses were held throughout the Province with 164 drivers required to attend. 101 of those attended, with 95 successfully completing the Course.

c) Driver Rehabilitation

This is the Alcohol and Drug Abuse Program. All drivers who are convicted of a second or subsequent offence pursuant to Section 237A, 237B, 238(5), or 239(1) of the Criminal Code of Canada must attend an Impaired Drivers Course conducted by the Highway Safety Division. This course must be completed before a driver suspended under these sections can have his driver's license reinstated.

In 1986, four courses were conducted throughout the province. 224 people were required to attend with 101 suspended drivers attending and 89 of the attendants completing the Course. Anyone who did not complete the Course would not have their license reinstated.

The Assessment Program requires drivers with three or more convictions for impaired driving to have an alcohol assessment completed and if required undergo curative treatment at an Addiction Service Centre. A probationary

driver's license may be returned to the driver **only** if the treatment program recommended by Addiction Services was followed. The probationary license is valid as long as the curative treatment program was followed. In 1986, 213 drivers were put through this Program with 173 drivers receiving a probationary license and 39 drivers being cancelled for failing to comply with their probationary order.

Annual Motor Vehicle Inspection

The Motor Vehicle Inspection Program continued in 1986 to monitor the operating condition of motor vehicles in Prince Edward Island. The compulsory inspection of passenger cars, light trucks, heavy trucks, farm trucks, trailers, and motorcycles totalled 79,780.

In 1986 there were 197 inspection stations with 400 licensed mechanics involved in the periodic inspection program. The inspection stations and licensed mechanics carried out the following inspections:

Vehicles Inspected	79,780
Farm Trucks Approved	1,510
Vehicles Approved	70,207
Motorcycles Approved	1,563
Vehicles Rejected	6,500

The Motor Vehicle Inspection officers co-operated with police agencies to conduct stop-check programs for unsafe vehicles on the highways. There were 11,131 vehicles observed in vehicle stop-check programs.

RECORDS SECTION

This Section maintains records on all drivers who have had convictions for motor vehicle related offences and who are scheduled for counselling activity such as an interview or a re-examination. This Section, also maintains documents on compulsory insurance, accident statistics, and motor vehicle dealers.

This Section issues abstracts of driving records to individuals and insurance companies.

During the period April 1, 1986 to March 31, 1987, the Records Section processed approximately 43,285 transactions for various reasons. A summary of the major activities are shown in the table following. (1985 figures are shown for comparison purposes.)

	1985-86	1986-87
1. Driver License Suspensions		
a) Criminal Code	1,008	1,003
b) Demerit Point System	357	356
2. Driver Licenses Confiscated		
a) Criminal Code	173	190
b) Demerit Point System	88	94
3. Driver License Reinstatement		
a) Criminal Code	886	810
b) Demerit Point System	284	288
4. Compulsory Insurance		
a) Cancellations received from insurance companies	14,125	5,351
5. Accidents		
a) Fatalities	33	32
b) Injuries	863	987
c) Number of Fatal Accidents	30	23
d) Number of Collisions	3,353	3,630
6. Judgement Recovery (P.E.I.) Ltd		
a) Number of new cases	7	5
7. Dealer Trade License		
a) Class "A" New and Used Vehicles	27	22
b) Class "B" Sub-dealers	3	4
c) Class "C" Used Vehicles	45	42

APRIL 1, 1986 to MARCH 31, 1987

	CARS	TRUCKS	TRAILERS	FARM TRUCKS	FIRE TRUCKS	1/3 YR TRUCKS	PPV PLATES	PROMATE FEES	CAB CARDS	TRIP PERMITS	M.C.	S. BUS	S.M.E.	S.V.	SHOW MOBILES	DRIVERS LIC.	OTHER*	REVENUE
APRIL	14,276	6,130	115	737	31	327	220	1,020	1,305	33	684	1	140	97	-	2,724	14,105	993,376.60
MAY	2,890	2,566	208	272	21	226	69	335	400	150	553	-	28	23	-	2,633	15,405	354,328.49
JUNE	1,766	595	196	53	3	66	18	241	303	85	261	-	33	17	-	2,850	13,087	171,570.71
JULY	1,447	397	191	36	-	26	11	164	232	68	152	8	6	13	1	2,818	13,171	122,356.27
AUG	1,078	265	107	53	2	494	9	135	174	65	56	10	8	2	-	2,759	11,546	163,405.51
SEPT	911	253	61	68	1	74	9	129	178	94	26	1	3	3	1	2,718	11,131	104,071.26
OCT	898	313	75	49	3	36	8	149	217	102	10	5	154	12	2	2,634	12,220	103,814.95
NOV	643	281	23	16	1	7	21	105	137	96	-	-	6	4	1	2,248	11,300	83,022.64
DEC	504	200	19	11	-	206	12	120	165	92	2	-	3	1	2	2,199	10,198	118,789.95
TOTALS	24,615	11,020	995	1,313	62	1,462	377	2,398	3,111	795	1,744	25	381	172	7	23,583	112,263	\$2,214,736.38
JAN																		74,466.77
FEB																		418,250.49
MAR																		1,041,122.12
TOTAL																		\$ 3,768,573.76

UNIT FIGURES NOT AVAILABLE FROM COMPUTER AT THIS TIME

* Public Vehicles, Dealers, Instruction Permits, Duplicate Copies
Transfers, M.V.I. Stickers, Abstracts, Miscellaneous Receipts,
Reinstatement Fees, Appointment Fees, Administration Fees.

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
Province of Prince Edward Island
STATEMENT OF ORDINARY EXPENDITURES
Year Ending March 31, 1987

General Administration

Salaries	467,398
Office Supplies & Postage	13,158
Tel & Tel	91,017
Miscellaneous	2,446
Equipment	598
Maintenance & Repairs	4,322
Travel	14,931
Total General Administration	593,870

HIGHWAY DIVISION

Maintenance Administration

Salaries	797,587
Tel & Tel	10,998
Equipment	7,781
Travel	190,047
Total Maintenance Administration	1,006,413

MAINTENANCE OF UNPAVED ROADS

Prince County

Prince 1	146,722
Prince 2	68,877
Prince 3	56,309
Prince 4	77,901
Total Prince County	349,809

Queens County

Queens 1	148,443
Queens 2	70,562
Queens 3	79,430
Queens 4	53,233
Queens 5 & 6	93,854
Total Queens County	445,522

Kings County

Kings 1	80,459
Kings 2	59,775
Kings 3	61,751
Kings 4	57,797

Kings 5	96,122
Total Kings County	355,904
Total Maintenance of Unpaved Roads	1,151,235
Maintenance of Paved Roads	
Prince County	1,930,630
Queens County	2,192,181
Kings County	1,621,910
Total Maintenance of Paved Roads	5,744,721
Bush Control	
Bush Control Prince County	119,604
Bush Control Queens County	124,037
Bush Control Kings County	150,052
Total Bush Control	393,693
Right-of-Way	
Right-of-Way Prince County	119,765
Right-of-Way Queens County	111,851
Right-of-Way Kings County	137,148
Total Right-of-Way	368,764
Maintenance of Bridges	
Wages	166,700
Materials & Supplies	75,397
Contract Service	73,768
Total Maintenance of Bridges	315,865
Snow Removal	
Wages	820,251
Materials & Supplies	528,346
Contract Services	4,212,560
Total Snow Removal	5,561,157
Sanding & Salting	
Wages	937,461
Materials & Supplies	2,147,311
Total Sanding & Salting	3,084,772
Traffic Engineering	
Data & Design	171,607
Sign Shop	277,656
Highway Signage	357,420

Information Signing	90,734
Highway Marking	643,953
Traffic Operations	185,986
Total Traffic Engineering	1,727,356

Mechanical-Government Garage

Salaries	4,439,955
Equipment	97,999
Material & Supplies	3,073,998
Contract Services	18,574
Travel	82,082
Telephone, Radios & Taxes	153,309
Total Mechanical Branch	7,865,917

TOTAL HIGHWAYS DIVISION ACCOUNT	27,219,893
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HIGHWAY SAFETY BRANCH

Administration

Salaries & Wages	93,440
Tel & Tel	28,791
Miscellaneous	566
Travel	4,891
Total Administration	127,688

Promotion of Highway Safety

Salaries	300,705
Materials & Supplies	76,468
Consultant	1,795
Travel	36,132
Total Promotion of Highway Safety	415,100

Registration & Licensing

Salaries	466,539
Office Supplies & Postage	12,926
Equipment	48,533
Material & Supplies	101,926
Travel	5,890
Total Registration & Licensing	635,814

Records

Salaries	132,745
Total Records	132,745

Summerside

Salaries 198,073
Travel 2,180
Total Summerside 200,253

Highway Scales

Equipment 13,386
Materials & Supplies 20,565
Contract Services 5,299
Salaries 266,710
Travel 7,482
Total Highway Scale 313,442

TOTAL HIGHWAY SAFETY BRANCH 1,825,043

SERVICES BRANCH**Audio Visual Services Centre**

Salaries 198,252
Travel 3,238
Audio Visual Equipment 17,457
Equipment Repairs 28,608
Total Audio Visual Service Centre 247,555

Postal Service

Salaries 97,655
Postage 613,510
Contract Services 13,592
Travel 79
Repairs, & Maintenance & Equipment
 Rental 38,654
Total Postal Services 763,490

Information Services

Salaries 156,153
Travel 564
Tel & Tel 37,047
Field Equipment & Supplies 13,593
Office & General 3,443
Total Information Services 210,800

Printing Services

Salaries 432,876
Travel 3,573
Tel & Tel 4,547

New Equipment	160
Material & Supplies	448,673
Reproduction Equipment Rentals	146,845
Total Printing Services	1,036,674
TOTAL SERVICES BRANCH	2,258,519

BUILDINGS BRANCH

Building Administration

Salaries	78,429
Travel	757
Total Building Administration	79,186

Insurance

Salaries	38,925
Travel	1,131
Administration	615,710
Material & Supplies	1,946
Total Insurance	657,712

Energy Conservation Pilot Project

Salaries	68,341
Travel	5,504
Equipment	1,177
Material & Supplies	1,014
Total Energy Conservation	76,036
Total Building Administration	812,934

Construction Administration

Salaries	286,620
Travel	18,755
Technical & Drafting Equipment & Supplies	3,008
Total Construction Administration - Bldgs.	308,383

Maintenance Administration - Building

Salaries	552,074
Travel	40,441
Material & Supplies	21,370
Total Maintenance Administration	613,885

Maintenance of Buildings

Basin Head Museum	2,192
Beach Grove Infirmary	261,980

Belmont St. Warehouse	6,808
Brudenell Complex	137,841
Bunbury Nursery	24,914
Canada Packers Building	82,592
Coles Building	101,111
Court House Alberton	12,580
Dr. Eric Fould Health Centre	450,205
40 Great George St. Customs House	27,743
Government House	293,444
Greenhouse & Header House - Hurry Road	267,145
Health Centre, Summerside	58,140
Hillsboro Hospital	468,011
Home for the Aged	13,436
Jones Building	473,958
Kings Co. Court House & Jail	115,431
Kings Co. Forestry Depot	15,471
Lady Slipper Visitors Centre	13,184
MacMillan Building	475,296
Orwell Cove Museum	1,909
Portable Classrooms	78,027
Prince Co. Forestry Depot	11,932
Prince Co. Court House & Jail	115,171
Prince Edward Home	745,726
Province House	104,715
Province House Annex	48,654
Scalehouse-Borden & Wood Islands	16,987
Shaw & Sullivan Building	1,793,239
Sherwood Hospital	46,479
Sleepy Hollow Correctional Cent	182,418
Southern Kings Highway Depot	23,944
Southern Kings & Queens Regional Services Centre	48,112
Travel Bureau - Wood Islands	28,304
Travel Bureau - Brackley	12,944
Tourist Interpretive Centre - Poole's Corner	26,086
Veterinary Building - O'Leary	22,365
West Prince Regional Services Centre	36,128
Total Maintenance of Buildings	6,644,622
TOTAL MAINTENANCE OF BUILDINGS BRANCH	7,258,507

ACCOMMODATIONS

Accommodation - Administration

Salaries	30,386
Total Accommodation Administration	30,386

Rent or Leased Premises

Airport - VIC	5,567
Albany Warehouse	12,035
Alberton - VIC	930
Aulac - VIC	10,638
Cambridge Building	172,405
Caribou VIC	4,200
Cavendish Cottage	7,157
Cavendish VIC	10,969
Davies Law Courts	717,043
Eastern Kings Health Centre	8,463
Eastern Kings Reg. Ser. Centre	79,841
East Prince Reg. Ser. Centre	151,506
Evangeline Health Centre	1,516
Farm Centre	15,984
Fisheries Warehouse	30,460
Island Transit	21,379
Johnston Building	93,741
Kensington Community Centre	3,788
Kings County Memorial Hospital	9,810
Morell Fire Hall	2,709
O'Leary Community Hospital	5,402
O'Leary Dental Clinic	1,800
P.E.I. Liquor Control Commission - Borden VIC	17,514
Prince County Hospital	3,723
Reliance Garage	4,200
Research Station	162,267
Royalty Mall	227,873
Souris Town Hall	3,595
St. Paul's Rectory	18,449
Stanhope VIC	748
Summerside Waterfront Dev. Corp.	123,576
Albert Thomas Building	51,951
Tignish Health Co-op	4,288
White Star Laundry	11,620
Total Rent or Leased Properties	1,997,147

Total Accommodation & Leased Properties 2,027,533

Properties & Surveys

Salaries 508,234

Travel 25,274

Office - General 883

Prop. Taxes on Prov.-Owned Property 17,431

Field Equipment & Supplies 93,145

Control Survey Network Maintenance

Legal Fees & Contract Serv. 5,758

Total Properties & Surveys 650,725

Vet College Project Support

Salaries 8,799

Total Vet College Project Support 8,799

TOTAL BUILDINGS BRANCH 11,066,881

TRANSPORATION BRANCH

Salaries 104,010

Travel 7,995

Office & General 778

Transportation Advisory Services 3,380

Total Transportation 116,163

Island Transit

Salaries 48,490

Travel 656

Tel & Tel 1,435

Material & Supplies 86,649

Total Island Transit 137,230

TOTAL TRANSPORATION BRANCH 253,393

TOTAL DEPARTMENT OF TRANSPORATION AND PUBLIC WORKS
ORDINARY ACCOUNT 43,217,599

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
Province of Prince Edward Island
CAPITAL EXPENDITURES
Year Ending March 31, 1987

HIGHWAY DIVISION

Construction Administration

Salaries & Wages	1,032,078
Travel	2,425
Miscellaneous	8,788
TOTAL CONSTRUCTION ADMINISTRATION	1,043,291

Culvert C/A

Prince County	271,967
Queens County	366,176
Kings County	172,097
TOTAL CULVERTS C/A	810,240

BRIDGES C/A

Prince County

Blueshank Road, Kelvin	20,699
Canadian Creek Causeway	3,000
Centre Line Road	50,952
Coleman Corner Bridge	4,442
Darnley Bridge	4,282
Gillian's Bridge, Kildare	370,882
Harmony	34,529
Leckie Road, Millburn	34,037
Wilmot Bridge (ERDA)	2,204,372
Total Prince County	2,727,195

Queens County

Camp Road, Flat River	91,502
Hillsboro Bridge	3,000
Seal River	149,470
West River Causeway	1,979,743
Total Queens County	2,223,715

Kings County

Brudenell	30,276
East Lake	13,627
Lower Montague	24,667
Primrose Cattle Underpass	22,576
St. Peters Bridge	29,378
Savage Harbour Bridge	663

St. Teresa	19,552
Total Kings County	140,739
Bridges Miscellaneous C/A	242,566
TOTAL BRIDGES C/A	5,334,215

ECONOMIC REGIONAL DEVELOPMENT AGREEMENT

Albany - Borden - RTE 1	674,649
Land Purchases	8,539
Miscouche - Kingsmen Road	508,492
North Bedeque - Schurman Pt. Rd.	421,180
Richmond-Days Corner (Ellerslie Br.) ...	877,769
Vernon River - Millview (Seal)	289,033
Vernon River - Millview (Base)	102,418
Vernon River - Summerville	812,605
Winsloe - Peter Pan Corner	221,723
Study of Weight Restriction	7,231
Study of Technical Support	14,225
Study of Spec. & Procedures	58,655
Study of Water Quality	1,392
Highway Maint. System Study	47,348
Study of Aggregate	27,082
TOTAL ECONOMIC REGIONAL DEVELOPMENT AGREEMENT	
.....	4,072,341

HIGHWAY CONSTRUCTION

Highway Strengthening Project

Clyde Road to Hunter River	121,528
Dingwell's Mills - Armdale	251,712
Greenvale - Hunter River	912,606
Mt. Stewart - St. Andrews	227,315
North Bedeque - Central Bedeque	204,857
Portage - West Devon	173,205
TOTAL HIGHWAY STRENGTHENING PROJECT	
.....	1,891,223

HIGHWAY RECONSTRUCTION

Prince County

Albany Road	121,167
Cape Wolfe - North Shore Road	33,390
Clermont Road	95,062
Fifteen Point Road	132,496

Gaspe Road, O'Leary	82,137
Greenmount Road	439,600
Kensington, Main Road	21,527
Miminegash Road	315,482
Northam Road	159,141
O'Leary Road	110,033
Palmer Road	268,454
Smallman Road	106,211
Water Street, O'Leary	53,723
West Point Shore Road.....	66,814
TOTAL PRINCE COUNTY	2,005,237

Queens County

Brackley Point Road	292,292
Canadian Tire Intersection	963
Cape Road	5,407
Charlottetown Airport Access Int	52,545
Charlottetown Perimeter Road	866,072
Cornwall Intersection	16,494
Mt. Edward & St. Peters Road Land	
Purchase	15,000
Malpeque Road - Loyalist Road	13,902
Pownal Road	253,154
Rattenbury Road	87,953
Riverside Drive (1985)	7,255
Riverside Drive	51,521
Sleepy Hollow Road	178,167
Trans Canada Highway - New Haven	55,404
Valdane Ave, Sherwood	25,687
Wedgewood Ave, Sherwood	42,604
West Earnscliffe Road	109,849
Wiltshire Road	116,401
Yorkshire Drive, Sherwood	27,485
TOTAL QUEENS COUNTY	2,218,155

Kings County

East Point Road (85)	108,755
East Point Road	382,517
Forest Hill Road (85)	100,098
Munn's Road	93,874
St. Charles Road	105,071
TOTAL KINGS COUNTY	790,315

TOTAL PROVINCIAL RECONSTRUCTION 5,013,707

Survey & Travel Expenses	1,261,497
Sundry Account	55,532
Asphalt Material	235,709
Seeding Operation	21,353
Construction Utility Crew Prince County .	17,808
Construction Utility Crew Queens County	20,777
Construction Utility Crew Kings County..	26,939
TOTAL	1,639,615
TOTAL HIGHWAY CONSTRUCTION	8,544,545

PROVINCIAL PAVING

Prince County

Base Line Road	37,745
Broderick Road	16,231
Cannontown Road	59,675
Cheese Factory Road	139,621
DeBlois Road	29,677
Dunbar Road	18,003
Higgins Road	102,598
Ives Point Road	26,168
MacEwen Road Extension	16,263
MacEwen Road Storm Sewer	219,588
Mill Road	128,948
Norway Road	128,197
Princetown Road	24,840
St. Nicholas Road	66,352
Thompson Road (85)	9,958
Thompson Road	136,506
Tory Road	138,901
Walker Ave Extension, Wilmot	20,458
1st Prince Ditching	81,863
2nd Prince Ditching	81,398
3rd Prince Ditching	65,957
4th Prince Ditching	49,247
Prince Co. Soil & Water Conservation	4,948
TOTAL PRINCE COUNTY	1,603,142

Queens County

Aptos Drive, Keppoch	4,741
Avondale Road	78,843
Bagnall Road	55,317
Brooklyn Road	49,173

Clarkin Road	20,493
Gillis Road	87,532
Hopeton Road	207,345
Horne Cross Road West	40,622
Iris Road (85)	69,062
Lower Newtown	23,304
MacAleer Dr. Sherwood (85)	25,638
MacArthur Dr. Sherwood	2,863
Pondside Park, Southport	3,455
Riverdale Road	36,884
Ross Crescent, Kinlock	7,014
Templar Ave, Sherwood	2,427
Trout River Road	91,305
West Royalty Land Purchase	57,000
Wood Islands Overhead Sign	17,704
1st Queens Ditching	75,684
2nd Queens Ditching	58,174
3rd Queens Ditching	97,424
4th Queens Ditching	68,852
5th & 6th Queens Ditching	40,200
Queens County Soil & Water Conservation	8,265

TOTAL QUEENS COUNTY 1,229,321

Kings County

Collins Road	8,652
Greenvale Road (85)	26,028
Gurnsey Cove Road	34,210
Hazelgreen Road	64,978
Kings Theatre, Georgetown	2,530
Kitson Road (85)	11,833
MacPhee Road, Souris, Land Purchase	2,000
Morell Rear Road, Morell High School ...	19,695
Morrison's Beach Road	90,748
Norton Road	17,972
St. Catherines Road (85)	14,839
St. Catherines Road	98,361
Sheehan Road (85)	19,321
Webster Road	23,308
Westaway Road	36,297
Whitty Road	15,684
1st Kings Ditching	39,649
2nd Kings Ditching	53,393

3rd Kings Ditching	38,638
4th Kings Ditching.....	30,085
5th Kings Ditching.....	48,604
TOTAL KINGS COUNTY	696,825
Study Safety Improvements	4,519
TOTAL PROVINCIAL PAVING	3,533,807
SUB-DIVISIONS	
Burns Ave, West Royalty Sub-division....	38,045
Bluebell Farms Sub-division (Wilmot)	21,345
Bluebell Farms Sub-division Phase II	18,527
Douglas & Hughes Sub-division	41,255
Eastern Realty Sub-division	22,831
Ellis & Birt Sub-division West Royalty ...	33,720
Harris, Vance Sub-division	38,018
Henderson's Sub-division	2,483
Ive's Sub-division, Sherwood	12,767
Jay, Elwin Sub-division, Bunbury	19,087
Jay, Elwin Sub-division Ext.	13,633
Lank's, Keith Sub-division, Lewis Point Park	16,732
LeFurgey's Sub-division, Wilmot	17,905
LeFurgey's Sub-division, Wilmot	29,979
Llewellyn's Sub-division, West Royalty ...	24,994
Lowther, George Sub-division, Cornwall ..	10,607
MacAskill's Sub-division	20,178
MacLaughlan's Sub-division, Stanhope ...	10,182
Meadow Height's Sub-division, Wilmot ...	23,625
Sherwood Estates Sub-division	41,701
Southview Estates Sub-division	57,355
TOTAL SUB-DIVISIONS	514,969
HIGHWAY LABORATORY	423,659
PAVEMENT ASSISTANCE FOR DRIVEWAYS	255,489
PAVEMENT MANAGEMENT SYSTEMS	65,625
CAPITAL GARAGE EQUIPMENT	112,495
HIGHWAY LIGHTING	41,265
GOVERNMENT GARAGE VENTILATION SYSTEMS	36,992
TOTAL HIGHWAYS CAPITAL ACCOUNT	24,788,933

CAPITAL BUILDING BRANCH

Government House 42,648
Prince County Jail & Courthouse 19,900
Land Purchase 150,011
Young Offenders Centre 55,582
Dr. Eric Foud Health Centre..... 16,258

TOTAL CAPITAL BUILDING BRANCH 284,399

**TOTAL CAPITAL EXPENDITURES DEPARTMENT OF
TRANSPORTATION & PUBLIC WORKS 25,073,332**

**TOTAL DEPARTMENT OF TRANSPORTATION AND PUBLIC
WORKS EXPENDITURES..... 68,290,931**